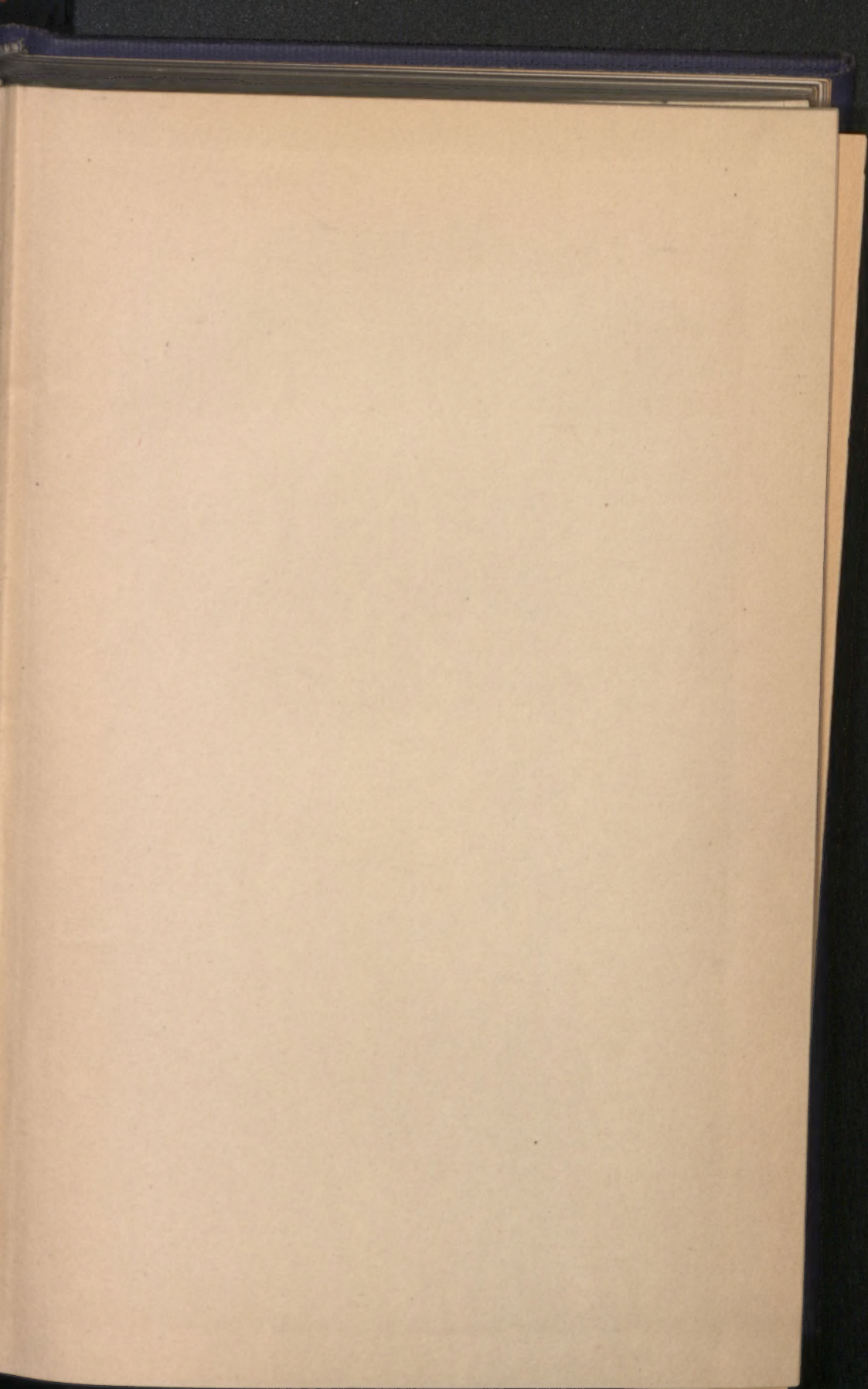


President's Office









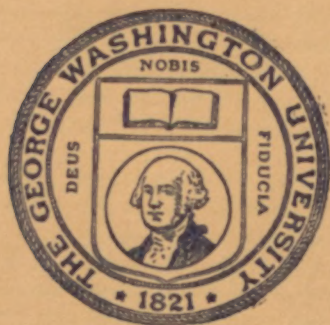
VOLUME XXIV

NUMBER 2

# George Washington University Bulletin

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Addresses Delivered at the Dedication of Corcoran Hall,  
the Laying of the Corner Stone of Stockton Hall,  
and the Celebration of the One Hundredth  
Anniversary of the First Commencement

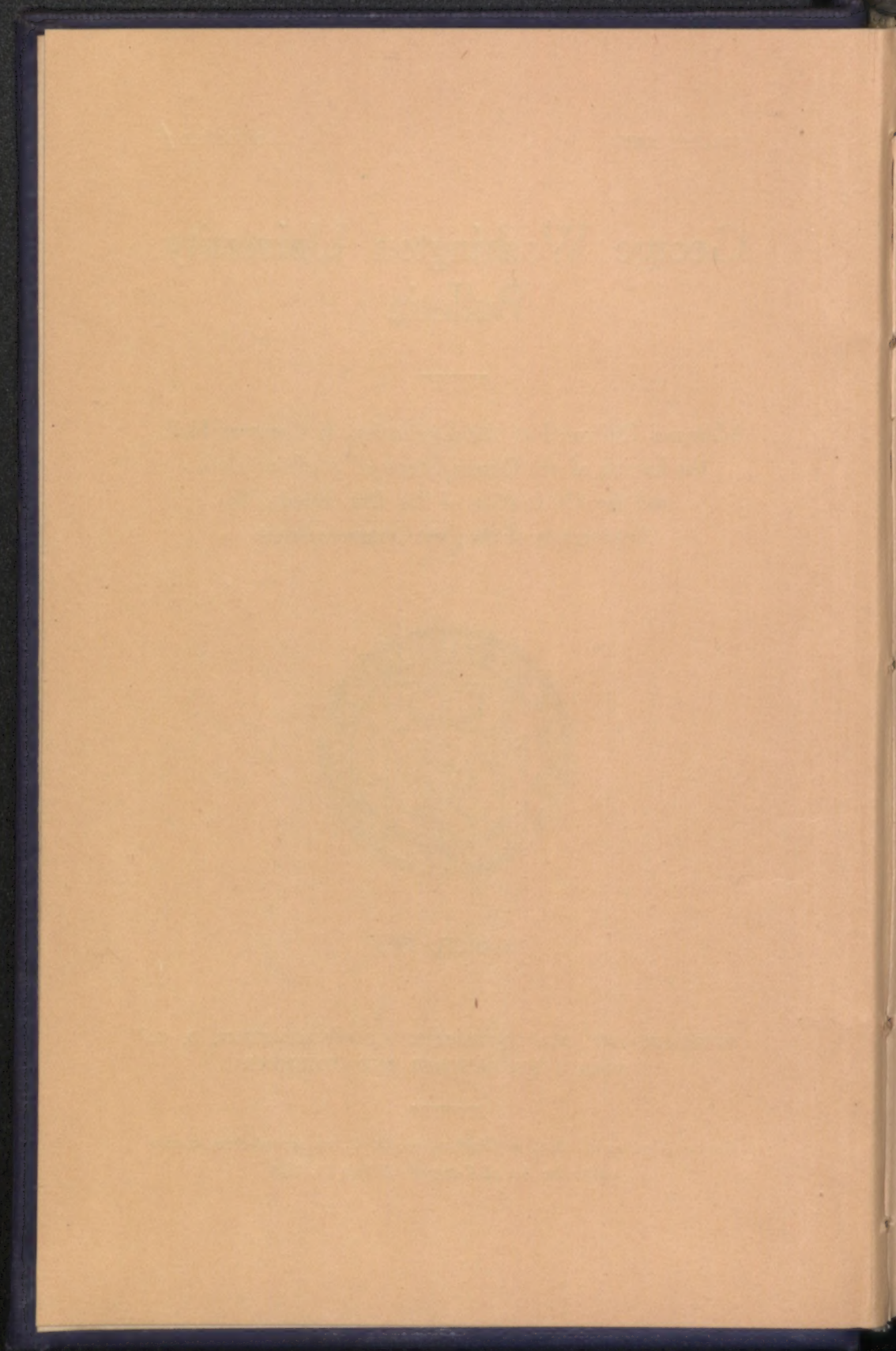


MARCH, 1925

PUBLISHED BY THE UNIVERSITY AT WASHINGTON, D. C.  
MARCH, JUNE, OCTOBER AND DECEMBER

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Entered October 6, 1904, at Washington, D. C., as second-class matter  
under the Act of Congress of July 10, 1894





## AN ADDRESS

Delivered by

MR. JOHN B. LARNER,  
*Chairman of the Board of Trustees,*

At the Dedication of Corcoran Hall, October 28, 1924

It is my very great pleasure this evening on behalf of the Board of Trustees to perform a function of great importance in the history of the University.

This function is to dedicate formally this magnificent structure, to give to it the name designated by the trustees and to place the keys in the care and keeping of the administrative officers of the University.

The name selected is already well known to you as "Corcoran Hall." It would seem fitting that at this time some reference be made to the man whose benefactions we recognize and for which we are grateful.

William Wilson Corcoran was born in Georgetown, D. C., December 27, 1798.

He was a son of Thomas Corcoran, who came to this country from Ireland in 1783. Thomas Corcoran was one of the founders of the George Washington University and a trustee during his life.

W. W. Corcoran attended the private schools of Georgetown until his seventeenth year, when he broke away from school ties and entered into the dry goods business with his two brothers, James and Thomas. In 1817 he opened a small store of his own on the corner of High and First Streets under the name of W. W. Corcoran & Co. In 1819, this business having proved successful, they purchased a brick building at the corner of Bridge and Congress Streets and commenced the wholesale and auction commission business.

For a time this business was successful, but during the disastrous spring of 1823 they failed with a debt of \$31,000, which was compromised with the creditors for fifty cents on the dollar. Later, in 1847, Mr. Corcoran, being then a successful business man, settled with all his creditors of 1823, paying principal and interest amounting to \$46,000.

Mr. Corcoran held many important military positions by appointment of Presidents Monroe, Adams and Jackson. He attained the rank of colonel in 1832, and in 1849 was tendered by President Polk the command of the District Militia. This he refused.

Mr. Corcoran married Louise Amory Morris, daughter of Commodore Charles Morris.

In 1837 he went into the brokerage business in a small store room near the corner of Fifteenth Street and Pennsylvania Avenue, said to have been only ten by sixteen feet. Later, in 1839, he removed to Fifteenth and F Streets, then known as the Metropolis Building. In 1840 George W. Riggs entered business with him under the name of Corcoran & Riggs.

That same year Mrs. Corcoran died. He lost a loving and devoted wife.



The firm in 1845 purchased and removed to the old United States Bank at the corner of Fifteenth Street and New York Avenue. It was about this time that they took over most of the loans of the United States. Mr. George W. Riggs retired from the firm in July, 1848. He was succeeded by his brother Elisha.

At that time Mr. Corcoran found himself with twelve millions of the United States six per cent loan of 1848 with a falling market. He hit upon the plan of selling the loan in European markets. He met with a most discouraging reception in London. After some days, however, he succeeded in selling to six of London's leading financiers five millions at one hundred and one. This was said to have been the first sale of American securities in Europe for over ten years. On Mr. Corcoran's return he was greeted enthusiastically. The securities advanced rapidly from that time on and the firm made a very large profit.

Mr. Corcoran retired from business in 1854 and devoted his entire time and talents to the management of his own private estate. From that time until his death, February 24, 1888, he added to his large estate and used much of his income and principal in founding and supporting numerous charitable philanthropic works, among which may be mentioned The Louise Home and the Corcoran Gallery of Art.

The Louise Home, established in memory of his wife and daughter, was erected in 1869 and opened for the reception "of a limited number of gentlewomen who have been reduced by misfortune," on April 17, 1871.

The Corcoran Gallery of Art was chartered by Congress in 1870.

These two institutions stand today as monuments to the memory of this great citizen of Washington.

Mr. W. W. Corcoran was elected a trustee of the George Washington University in 1869 and served as such until 1888, the year of his death. He was also president of the board for the same period of time.

He was a close friend of President Welling and it was undoubtedly through this friendship and his influence that the largest single gift the institution has ever received was given to it. In addition to this one gift, that has always been known as the "Corcoran Endowment Fund," it is understood that frequently he gave small or moderately large amounts for current expenses or for some specific purpose.

At one time he presented a telescope to the University. The faculty and students adopted a preamble and resolutions expressive of their appreciation of this gift, and on May 29, 1873, President Welling wrote Mr. Corcoran and sent a copy of the resolutions. I quote this letter because it contains interesting statements concerning the "solid men" of Washington. It is as follows:

"MY DEAR MR. CORCORAN:

"It gives me great pleasure to communicate to you a copy of the resolutions which were this day adopted by the faculty and students of the Columbian College, in view of your new kindness in presenting to us a



telescope. I need not assure you how cordially I join in this expression of gratitude—an expression which comes from the heart.

"You will be glad to learn that Mr. Stickney and I were greatly cheered yesterday in our appeal to the 'solid men' of Washington for their aid in building up our University. We received subscriptions to the amount of \$21,000 in a few hours and promises which authorize us to hope for a subscription of at least \$35,000 in this city and Georgetown.

"The omens are most auspicious, and I congratulate you as well as ourselves on the prospect of early realizing your beneficent plans for the good of the coming generations who, in the halls of science, literature and art, shall rise up to call you blessed.

"With constant regard, I am, my dear Mr. Corcoran,

"Ever faithfully yours,

"JAMES C. WELLING."

I am indebted for the material used in this sketch to a volume presented to me by Mr. Frank G. Carpenter, whose sad death in a far-off country occurred a few months ago. The book is entitled: "A Grandfather's Legacy; Containing a Sketch of His Life and Obituary Notices of Some Members of His Family Together with Letters from His Friends. Washington, 1879."

Mr. Corcoran penned the following communication and it appears on the first page of the volume with his autograph:

"TO MY GRANDCHILDREN:

"As a private individual, inspired by an appreciation of my relations to my fellow-man, I have, from early youth to old age, endeavored to be just to all, and generous to the deserving. Blessed by kind Providence with larger possessions than commonly fall to the lot of man, I have regarded them as a sacred trust for the benefit of knowledge, truth and charity. My reward has been an approving conscience and the gratifying appreciation of many good and great men, whose testimonies I have preserved in this volume for you.

"Many of the letters in this collection afford melancholy evidences of the instability of human affairs; and a perusal of them will suggest to you the propriety of endeavoring to cultivate a spirit prepared to bear with equanimity the vicissitudes of fortune which may await the most prosperous condition.

"The most valuable bequest I can make you is a good name, and I feel assured you will cherish it, for its price is above rubies.

"Your affectionate grandfather,

"July 1st, 1878."

"W. W. CORCORAN."

Would that I had time to read from this book some of the interesting material bearing upon the history of the National Capital, its people, and what is of more importance, the life and character of Mr. Corcoran.



have been able to provide for the use of its thousands of students a building which will meet their needs in every particular.

By authority and on behalf of the Board of Trustees I hereby dedicate this building to the uses and purposes of the Department of Arts and Sciences of the George Washington University and give to it the name of "Corcoran Hall."

It is customary on occasions of this kind to follow the dedication with the presentation of the keys. In feudal times title to land was transferred by the delivery of a clod of earth or anything taken from the land as symbolic of the transfer of ownership. This delivery of keys to Corcoran Hall does not mean that we are investing our good president and his associates with the legal title. I wish we could make them a present of that kind. We admit that they deserve it. This symbolic delivery of the keys means added responsibility for the maintenance of the University in the high standard of morals and scholarship which a University must have.

As trustees we pledge you, Mr. President, and your associates, as the administrators of this great trust, our continued support and wish you abundant success in your important work, with hearty congratulations to you, Mr. President, on the success you have in your short administration already achieved.

In conclusion I wish to extend grateful acknowledgments on behalf of the trustees, faculties and student body of the University to the generous public that has during the recent canvass for funds for the Building and Endowment Fund contributed sufficient money to make possible the erection of this building for the Arts and Sciences Department.



## ADDRESS

Delivered by

MR. CHARLES F. ROBERTS,

*Grand Master of Masons of the District of Columbia,*

At the Laying of the Corner Stone of Stockton Hall, December 15, 1924

As members of the Masonic fraternity we are glad to have had the opportunity to render this service in connection with the great building project of the George Washington University. As citizens of the Capital City of the United States, disfranchised it is true, we have an abiding interest in that project, because it means an important addition to the university equipment of our city.

I desire to offer our sincere congratulations to the distinguished president and other officials of the University upon the marked success which has followed upon their efforts to provide adequate accommodations for this time-honored institution. I congratulate them upon having had the vision that led them to see the wonderful possibilities which the future holds for it and the energy and wisdom to carry to successful achievement the plans that were born of that vision.

Within the walls which shall rise on this foundation stone serious men and women will continue the never-ending search for truth in the sciences and the arts. Here will be made scientific discoveries that may startle the world of science, that will open up new lines of activity and progress, and produce comforts and facilities for the human race that will advance it a long way toward the attainment of a higher and better civilization. Here will come the youth of our land, intent on acquiring knowledge, and eager, by the development of their mental and physical powers, to become fitted for their share in the world's work.

In like respect, although along other lines, Masonry is also a seeker for truth, a factor in the development of full mentality, a builder of character. In our ceremonies today you have witnessed a symbolic retention of some of Freemasonry's activities, handed down from the far-off period, when, as operative Masons, its adherents erected the magnificent structures that even yet arouse the admiration of the world. Ceasing to be an operative profession, we are now builders in a symbolic way—builders of men—engaged in an earnest effort to discover and develop those truths whose application to the everyday lives of men make the world better and bind individuals together in ties of human interest, tolerance and love.

It is but natural, therefore, that as an organization Masonry should have a keen interest and a deep sympathy for the work of this University, but more than that we are interested because of the name you bear—that of the revered and beloved Washington, who was himself an active Mason and master of a Masonic lodge while President of the United States. This gavel which I was privileged to use today through

the courtesy of Potomac Lodge No. 5 was used by him 131 years ago to lay with Masonic ceremonies the corner stone of the United States Capitol.

It is our earnest wish that this University shall meet with abundant prosperity and success and that its banner may long be borne in the front ranks of the educational institutions of our land.

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*List of Articles Deposited in the Corner Stone of Stockton Hall,  
George Washington University, December 15, 1924*

1. The Holy Bible.
2. Address of Mr. William B. King of the Board of Trustees.
3. One copy of the "Cherry Tree," 1924.
4. A group photograph of the faculty of the Law School.
5. A copy of the schedule of classes of the Law School, 1924-25, on the back of which is printed a list of the members of the Law faculty and the subjects taught by each.
6. A copy of a descriptive pamphlet entitled "Studying Law in the Nation's Capital."
7. A copy of the general catalogue of the University for 1924-25.
8. A clipping from the Sunday "Star" of December 14, 1924.
9. A copy of the "Alumni News," December, 1924.
10. A file of University "Hatchets" from October 1 to December 15, 1924.
11. Pictures of the first four homes of the Law School.
12. A picture of President William Mather Lewis.
13. A picture of Mr. John B. Larner, chairman of the Board of Trustees.
14. Copy of a pamphlet entitled "The University which George Washington Visualized."



LAFAYETTE'S VISIT TO THE CITY AND UNIVERSITY,  
DECEMBER 15, 1824

AN HISTORICAL ADDRESS

Delivered by

MR. HARRY C. DAVIS,  
*Secretary of the Board of Trustees,*

At the Celebration of the One Hundredth Anniversary of the  
First Commencement, December 15, 1924

As we look back tonight into the records of the past century with peculiar satisfaction, some details of the memorable visit to Washington City of an eminent son of France, friend of the nation and bosom friend of her greatest son, who also honored by his presence our University, then only a college in its infancy, so we rejoice with evident and unalloyed gratification that our lusty University, no longer in swaddling clothes, gives her hearty and no less affectionate welcome to another eminent Frenchman, friend of our city and of our University, who honors us by his presence.

As the name of Lafayette in that far-off day was linked indissolubly with that of Washington in the minds of all patriotic Americans who by his presence and gracious words became a part of our early history, so the friendly and honored presence of His Excellency, Ambassador Jusserand, we love to think, will become a part of our cherished heritage. Washington, Lafayette, Jusserand!

Though the customs, manners and outward circumstances of men and women change with the passing years, human affections and man's gratitude for and admiration of deeds nobly performed resist the attacks of time and subdue them. Like the heroic men at Verdun they say to the oncoming and insidious rush of the relentless years, "Ye shall not pass."

The affection our fathers ever held for him who braved the opposition of family, friends and certain preferment at home and dared even the displeasure of a king to bring to us saving assistance in the time of deadly national peril, was intensified as we gazed in admiration upon the glorious deeds of that great nation whose able ambassador is with us tonight.

A hundred years ago the whole country was in a ferment of enthusiasm. Like wildfire the news had spread, "Lafayette is coming! The nation's friend, the country's honored guest is on the high seas!" Cities and towns, hamlets and crossroads, vied with each other in preparation to fittingly receive him who had fought with the fathers on many battlefields, suffered with them at Valley Forge and finally conquered at Yorktown.

In the middle of the preceding February President Monroe and the Congress had extended a cordial invitation to General Lafayette to become the nation's guest, and now again the shores of his adopted

The records go on to say that "After the chapel exercises, with the consent of the General and his son, the society elected them to honorary membership." Shortly after, a bust of Lafayette was purchased and placed in the society's meeting hall.

On Wednesday, December 15, 1824, the first commencement of Columbian College, whose name is still preserved as a part of the University, was held in a church on F Street in Washington.

Among the prized archives of the University is the old volume in which are recorded the minutes of the Board of Trustees of those very early days. The writing in the old book is still very distinct and, like the penmanship of one hundred years ago, very carefully and neatly executed.

I find the following minute under date of Wednesday, December 15, 1824, describing the commencement exercises:

"The exercises were honored by the attendance of the President of the United States, General Lafayette, the Secretaries of State, War and Navy, many members of both Houses of Congress and other distinguished persons of both sexes.

"The performances of the day were highly satisfactory to the trustees, and, it is believed, all present without an exception.

"After the exercises the procession returned to the College. At half-past three o'clock, General Lafayette and suite arrived and were received by the trustees, the faculty and the students, and were escorted to the College chapel by the president of the Board of Trustees and Governor Barbour of the Senate. There he was welcomed by the president of the College and introduced to the members of the board, the faculty and the students. The General and suite, the Secretaries of State and War, the Speaker of the House of Representatives, Hon. Henry Clay, and many other gentlemen of distinction afterwards dined with the trustees and the faculty at the house of the president of the College."

At the first commencement three students were graduated. Contrasting this number with the list of graduates of the year 1924, comprising 550 names, we have an epitome of the institution's growth.

We would fain believe that the kindred spirits of Washington and Lafayette, looking down from that haven where dwell the spirits of just men made perfect, rejoice together at the larger development, the broadening influence and the promising future of the University, which was in the mind of Washington, in the splendid National Capital, both of which alike bear the name of Lafayette's honored and revered friend, George Washington.









VOLUME XXIV

NUMBER 3

# George Washington University Bulletin

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George Washington University  
Bulletin

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STUDENTS:	PAGE
Department of Arts and Sciences .....	251-301
School of Graduate Studies .....	251-262
Columbian College .....	262-283
College of Engineering .....	283-288
Teachers College .....	288-292
Summer School .....	292-300
Medical School .....	302-306
College of Pharmacy .....	306
Law School .....	307-326
Geographical Distribution .....	329
General Summary .....	330
Degrees Conferred in 1924-25 .....	331-347
Allied Associations .....	348-349
Directory .....	350-356
Index .....	357-358

## CONTENTS

GENERAL:	PAGE
Calendar .....	1-4
Trustees .....	5-6
University Council .....	7
Administrative Officers .....	8
President's Council .....	9
History and Organization .....	10-11
Library .....	11-12
Student Activities .....	12
DEPARTMENTS OF THE UNIVERSITY:	
Department of Arts and Sciences.....	13-157
The School of Graduate Studies.....	19-24
The Colleges .....	25-43
Columbian College .....	44-51
College of Engineering .....	52-63
Teachers College .....	64-66
Schedule of Classes in Columbian and Teachers Colleges .....	67-73
Courses of Instruction .....	74-138
Summer School .....	139-157
Department of Medicine .....	158-230
Medical School .....	158-208
School for Nurses .....	209-214
School of Pharmacy .....	215-230
Law School .....	231-249



## UNIVERSITY CALENDAR

1925		
February	2	<i>Monday</i> —Second half-year begins.
February	11	<i>Wednesday</i> —Meeting of the Board of Trustees.
February	17	<i>Tuesday</i> —Stated meeting of Arts and Sciences Faculty.
February	22	<i>Sunday</i> —Midwinter Convocation Sermon.
February	23	<i>Monday</i> —Winter Convocation. A holiday in all departments of the University.
March	4	<i>Wednesday</i> —Inauguration Day. A holiday in all departments of the University.
March	11	<i>Wednesday</i> —Meeting of the Board of Trustees.
April	8	<i>Wednesday</i> —Meeting of the Board of Trustees.
April	10 to 15	<i>Friday to Wednesday, both inclusive</i> —Easter Holidays.
April	20	<i>Monday</i> —Last day on which theses of candidates for the Doctorate degree at the Commencement may be presented.
April	21	<i>Tuesday</i> —Stated Meeting of Faculty of Department of Arts and Sciences.
April	21	<i>Tuesday</i> —Davis Prize Speaking.
May	13	<i>Wednesday</i> —Meeting of the Board of Trustees.
May	18	<i>Monday</i> —Last day on which theses of candidates for the Engineering and Master's degrees at the Commencement may be presented.
May	20	<i>Wednesday</i> —Final examinations, Department of Arts and Sciences, begin.
May	26	<i>Tuesday</i> —Doctorate Disputation.
May	30	<i>Saturday</i> — <i>Decoration Day</i> —A holiday in all departments of the University.
May	31	<i>Sunday</i> —Baccalaureate Sermon.
June	3	<i>Wednesday</i> —Commencement and Annual meeting of the Board of Trustees.
June	11-20	Registration for Summer School.
June	15	<i>Monday</i> —Instruction begins in the three-credit courses coming at seven forty-five a. m., and in all afternoon classes in the Department of Arts and Sciences and in all classes in the summer session of the Law School.
June	22	<i>Monday</i> —Instruction begins in the two-credit courses coming in the forenoon in the Department of Arts and Sciences.
September	1	<i>Tuesday</i> —Registration for the session 1925-26 begins.
September	23	<i>Wednesday</i> —Academic year begins in all departments of the University.
October	12	<i>Tuesday</i> —Last day on which theses of candidates for the Engineering and Master's degrees at the Fall Convocation may be presented.
October	13	<i>Tuesday</i> —Stated meeting of Arts and Sciences Faculty.
October	14	<i>Wednesday</i> —Meeting of the Board of Trustees.
October	20	<i>Tuesday</i> —Fall Convocation.
November	11	<i>Wednesday</i> —Meeting of the Board of Trustees.
November	26-28	<i>Thursday to Saturday, both inclusive</i> —Thanksgiving recess.
December	9	<i>Wednesday</i> —Meeting of the Board of Trustees.
December	15	<i>Tuesday</i> —Stated meeting of Arts and Sciences Faculty.

RECESS FROM DECEMBER 24, 1925, TO JANUARY 3, 1926, BOTH  
INCLUSIVE

January	1926 4	<i>Monday</i> —Last day on which theses of candidates for the Doctorate degree at the Winter Convocation may be presented.
January	13	<i>Wednesday</i> —Meeting of the Board of Trustees.
January	25	<i>Monday</i> —Mid-year examinations, Department of Arts and Sciences, begin.
February	1	<i>Monday</i> —Second half-year begins.
February	9	<i>Tuesday</i> —Doctorate Disputation.
February	22	<i>Monday</i> —Winter Convocation. A holiday in departments of the University.
April	2 to 10	<i>Friday to Saturday, both inclusive</i> —Easter Holidays.
April	19	<i>Monday</i> —Last day on which theses of candidates for the Doctorate degree at Commencement may be presented.
April	13	<i>Tuesday</i> —Davis Prize Speaking.
May	17	<i>Monday</i> —Last day on which theses of candidates for the Engineering and Master's degrees may be presented.
May	25	<i>Tuesday</i> —Doctorate Disputation.
May	26	<i>Wednesday</i> —Final examinations, Department of Arts and Sciences, begin.
May	31	<i>Monday</i> — <i>Decoration Day</i> —A holiday in all departments of the University.
June	2	<i>Wednesday</i> —Annual meeting of the Board of Trustees.
June	6	<i>Sunday</i> —Baccalaureate Sermon.
June	9	<i>Wednesday</i> —Commencement.
June	18 to 26	Registration for the Summer School.
June	21	<i>Monday</i> —Summer School begins.



## THE BOARD OF TRUSTEES

*The President of the University, ex officio*

1926

- CLARENCE A. ASPINWALL, 1140 Fifteenth Street.  
DOUGLAS PUTNAM BIRNIE, D. D., 1711 Nineteenth Street.  
\*JOHN JOY EDSON, LL. B., 1324 Sixteenth Street.  
WILLIAM JAMES FLATHER, Riggs National Bank.  
\*JOHN B. LARNER, LL. B., LL. D., Washington Loan and Trust Bldg.  
ABRAM LISNER, A. M., 1723 Massachusetts Avenue.  
CHAS. R. MANN, Ph. D., Sc. D., 26 Jackson Place.  
WALTER RUPERT TUCKERMAN, A. B., LL. B., Bethesda, Md.  
HENRY WHITE, LL. D., 2 West Fifty-second Street, New York City.

1927

- N. LANGDON BURCHELL, A. M., LL. M., 817-819 14th Street.  
\*HARRY CASSELL DAVIS, A. M., L. H. D., 1929 Eighteenth Street.  
GILBERT GROSVENOR, A. M., LL. D., 1328 Eighteenth Street.  
\*JESSIE FANT EVANS, A. B. (Mrs. Joshua Evans, Jr.), 1818 Lamont Street.  
THEODORE W. NOYES, A. M., LL. D., care of The Evening Star.  
JOHN BARTON PAYNE, LL. D., 1601 Eye Street.  
CHARLES H. WOODHULL, 1767 Massachusetts Avenue.

1928

- CHARLES I. CORBY, care of Corby Baking Company.  
CHARLES CARROLL GLOVER, JR., M. A., LL. B., 737 Fifteenth Street.  
LOUIS HERTLE, Gunston Hall, Lorton, P. O., Va.  
ARCHIBALD HOPKINS, A. M., LL. B., 1826 Massachusetts Avenue.  
ELLIOT H. GOODWIN, Ph. D., Mills Building.  
\*WILLIAM BRUCE KING, A. M., LL. M., 1822 Wyoming Avenue.  
\*STEPHEN ELLIOTT KRAMER, B. S., A. M., Franklin School Building.  
HARRY WARDMAN, 1430 K Street.

*Chairman of the Board of Trustees*

JOHN B. LARNER

*Vice-Chairman of the Board of Trustees*

ARCHIBALD HOPKINS

*Secretary of the Board of Trustees*

HARRY CASSELL DAVIS

---

\*Nominated by the Alumni.

## ADMINISTRATIVE OFFICERS

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Howard Lincoln Hodgkins, Ph.D., Sc.D., Dean of the University  
Elmer Louis Kayser, A.M., Secretary  
Charles Wendell Holmes, Treasurer

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Anna Lorette Rose, A.M., Dean of Women  
Linda Jane Kincannon, A.M., Registrar

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Oscar Benwood Hunter, A.B., M.D., Assistant Dean

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William Cline Borden, M.D., Dean

### College of Pharmacy

Henry E. Kalusowski, M.D., Phar.D., Dean

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Joseph Abner Jordan, LL.B., Secretary

### University Library

Alfred Francis William Schmidt, A.M., Librarian

### Buildings and Grounds

Elmer Schatz, Superintendent



## PRESIDENT'S COUNCIL

(Arranged in Departmental Groups)

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JOHN DONALDSON, Ph.D., .....	Professor of Commerce
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CHARLES EDWARD HILL, Ph.D.....	Professor of Political Science
HUGH MILLER, C.E.....	Dean of the College of Engineering
JOHN RAYMOND LAPHAM, M.S. in C.E.....	Professor of Civil Engineering
THOMAS BENJAMIN BROWN, Ph.D.....	Professor of Physics
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HENRY GRATTAN DOYLE, A.M.....	Professor of Romance Languages
ROBERT F. GRIGGS, Ph.D.....	Professor of Botany
ANNA LORETTE ROSE, A.M.....	Dean of Women
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CHARLES SAGER COLLIER, A.B., LL.B.....	Professor of Law
HECTOR GALLOWAY SPAULDING, A.B., LL.B., S.J.D.....	Professor of Law
WILLIAM CLINE BORDEN, M.D.....	Dean of the Medical School
OSCAR BENWOOD HUNTER, A.B., M.D.,	
	Professor of Bacteriology and Pathology
HENRY E. KALUSOWSKI, M.D., Phar.D.....	Dean of the Pharmacy School

## HISTORY AND PRESENT ORGANIZATION

### HISTORY

The George Washington University is the successor of the Columbian College in the District of Columbia which was chartered by an act of Congress approved February 9, 1821. In 1873 the name was changed to Columbian University and in 1904 to The George Washington University.

The first commencement of Columbian College was held on the 15th of December, 1824, with the President of the United States; the Honorable John Quincy Adams, Secretary of State; the Honorable John C. Calhoun, Secretary of War; the Honorable Henry Clay, Speaker of the House of Representatives, and General Lafayette among those present.

Work in the College was confined to the Arts and Sciences until March, 1825, when the Medical Department was established under the conduct of Dr. Thomas Sewall. The Medical Department is thus in the chronological order of establishment the eleventh medical school in the United States. In 1826 the Law Department was founded with the Honorable William T. Carroll and Mr. Justice Cranch as its professors. Shortly afterward the school was discontinued, but was reopened in 1865. A Theological School founded also in 1826 was soon moved to Newton, Mass., where it now flourishes. On October 1, 1884, the Corcoran Scientific School, now the College of Engineering, was founded. The School of Graduate Studies was organized in 1893. Teachers College was started as The Division of Education in 1907. In 1919, the National College of Pharmacy, organized in 1905 as an affiliated college of the University and suspending during the last year of the war, was reopened as the School of Pharmacy, a division of the Department of Medicine and Pharmacy.

### EDUCATIONAL ORGANIZATION

#### Department of Arts and Sciences:

- School of Graduate Studies
- Columbian College
- College of Engineering
- Teachers College
- Summer School

#### Department of Medicine and Pharmacy:

- The Medical School
- The School of Pharmacy
- Nurses School

#### Department of Law



### ANNUAL COMMENCEMENT

The Annual Commencement is held in June, thirty-seven weeks after the opening day of the session, which is the first Wednesday after September 20. Students who have satisfied the requirements for degrees subsequent to the June Commencement may be awarded degrees at the Fall Convocation on October 20.

The Winter Convocation is held on February 22.

### UNIVERSITY ASSEMBLIES

The University Assemblies will be held from time to time. The attendance of students may be required.

### THE UNIVERSITY LIBRARY

The University Library comprises the Library of the Department of Arts and Sciences, the Law Library, and the Medical Library. It contains 64,000 volumes.

In addition to its general collection the Library of the Department of Arts and Sciences contains the Library of the late Professor Richard Heinzel, of the University of Vienna, containing 7,200 books and pamphlets in Germanic philology and literature, and cognate branches; the library of the late Professor Curt Wachsmuth, of the University of Leipzig, containing 7,900 books and pamphlets in Greek and Roman literature, archaeology and history; the Mount Vernon Alcove, containing 4,000 volumes in political history, international law, and the social sciences. Besides, the library of the American Institute of Architects, consisting of 1,063 volumes and portfolios of plates and drawings, is deposited in the reading room as a loan collection, where it is accessible, also, to all local architects. The library is open from 9 a. m. to 10:30 p. m.

The Law Library, containing more than 10,000 volumes, is open from 8:30 a. m. to 10 p. m.

The Medical Library, containing more than 2,000 volumes, is open from 9 a. m. to 4 p. m.

### PRIVILEGES IN GOVERNMENTAL INSTITUTIONS OPEN TO UNIVERSITY STUDENTS

In order to promote research and the diffusion of knowledge, the Congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

*"Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That the facilities for research and illustration in the following and any other governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under*

such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

1. Of the Library of Congress.
2. Of the National Museum.
3. Of the Patent Office.
4. Of the Bureau of Education.
5. Of the Bureau of Ethnology.
6. Of the Army Medical Museum.
7. Of the Department of Agriculture.
8. Of the Fish Commission.
9. Of the Botanic Gardens.
10. Of the Coast and Geodetic Survey.
11. Of the Geological Survey.
12. Of the Naval Observatory.

#### STUDENT ACTIVITIES

Student Activities are supported from the University Fee of eight dollars charged all students in the University and collectible like other fees by the Treasurer. Control and direction of all student activities are vested in a Faculty Committee of Student Activities, which in turn is subject to the supervision and control of the President's Council.

*Delta Tau Delta Activity Award.*—The Gamma Eta Chapter of the Delta Tau Delta Fraternity awards each year to "that member of the senior class who throughout his course at George Washington University has done the most constructive work in the furtherance and upbuilding of the University Student Activities" a gold medal.

*Pi Beta Phi Medal.*—This medal is awarded annually by Columbia Alpha Chapter of Pi Beta Phi Fraternity to that woman member of the Senior Class who throughout her college course has done the most constructive work in the promotion of Student Activities among the women of the University.



## DEPARTMENT OF ARTS AND SCIENCES

### FACULTY

WILLIAM MATHER LEWIS, A. M., LL. D.....*President of the University*  
 HOWARD LINCOLN HODGKINS, Ph. D., Sc. D.....*Dean of the University*

JAMES HOWARD GORE, Ph. D., LL. D., Litt. D.,  
*Professor Emeritus of Mathematics*

✓HOWARD LINCOLN HODGKINS, Ph. D., Sc. D.....*Professor of Mathematics*

✓HERMANN SCHOENFELD, Ph. D., LL. D.....*Professor of German*

CHARLES EDWARD MUNROE, Ph. D., LL. D.,  
*Dean Emeritus of the School of Graduate Studies and Professor  
 Emeritus of Chemistry*

✓GEORGE PERKINS MERRILL, Ph. D., Sc. D.....*Professor Emeritus of Geology*

✓WILLIAM ALLEN WILBUR, A. M., Litt. D.,  
*Dean of Columbian College and Professor of English*

✓CHARLES CLINTON SWISHER, Ph. D., LL. D.....*Professor of History*

†MITCHELL CARROLL, Ph. D.,  
*Professor of Archaeology and the History of Art*

✓PAUL BARTSCH, Ph. D.....*Professor of Zoology*

✓GEORGE NEELY HENNING, A. M., Litt. D.,  
*Dean of the School of Graduate Studies and Professor of  
 Romance Languages*

✓ALBERT BURNLEY BIBB.....*Professor of Architecture*

✓CHARLES SIDNEY SMITH, Ph. D.....*Professor of Greek and Latin*

WILLIAM CARL RUEDIGER, Ph. D.,  
*Dean of Teachers College and Professor of Educational Psychology*

✓ALFRED FRANCIS WILLIAM SCHMIDT, A. M.,  
*Librarian and Professor of Library Sciences*

✓WILLIAM JACKSON HUMPHREYS, C. E., Ph. D.,  
*Professor of Meteorological Physics*

✓EDWARD ELLIOTT RICHARDSON, M. D., Ph. D.,  
*Elton Professor of Mental and Moral Philosophy*

✓RAY SMITH BASSLER, Ph. D.....*Professor of Geology*

✓ROBERT RUSS KERN, A. B.....*Professor of Economics and Sociology*

ALBERT L. HARRIS, B. S. in Arch.....*Professor of Architecture*

✓DE WITT CLINTON CROISSANT, Ph. D.....*Professor of English*

✓JOAQUIN DE SIQUEIRA COUTINHO, Kt., Sc. D.,  
*Professor of Portuguese Language and Literature*

✓LOUIS COHEN, Ph. D.....*Professor of Radio-Electricity*

✓ISRAEL SCHAPIRO, Ph. D.....*Professor of Semetic Languages and Literature*

† Died March 3, 1925. \* Resigned.

✓ TRUMAN MICHELSON, Ph. D.	Professor of Ethnology
✓ CHARLES EDWARD HILL, Ph. D.	Professor of Political Science
✓ JOHN THOMAS ERWIN, A. M.	Professor of Mathematics
✓ HIRAM COLVER MCNEIL, Ph. D.	Professor of Chemistry
* OTIS DOW SWETT, S. M., LL. M.	Professor of Chemistry
JOHN RAYMOND LAPHAM, M. S. in C. E.	Professor of Civil Engineering
OWEN B. FRENCH, C. E.	Professor of Surveying
✓ THOMAS BENJAMIN BROWN, Ph. D.	Professor of Physics
✓ HENRY GRATTAN DOYLE, A. M.	Professor of Romance Languages
FRANK A. HITCHCOCK, B. S. in C. E.	Professor of Civil Engineering
✓ ROBERT F. GRIGGS, Ph. D.	Professor of Botany
HUGH MILLER, C. E.,	
<i>Dean of the College of Engineering and Professor of Civil Engineering</i>	
✓ GEORGE MORTON CHURCHILL, Ph. D.	Professor of History
✓ LEVI RUSSELL ALDEN, A. M., LL. B.	Professor of Commercial Law
✓ JOHN DONALDSON, Ph. D.	Professor of Commerce
NOLAN DON CHARPENTIER LEWIS, M. D.	Professor of Psychopathology
OSCAR BENWOOD HUNTER, A. M., M. D.	Professor of Bacteriology
JOSEPH HYRAM ROE, Ph. D.	Professor of Bio-Chemistry
NORRIS INGERSOLL CRANDALL, M. Arch.	Professor of Architecture
✓ SAMUEL F. BEMIS, Ph. D.	Professor of History
✓ ROBERT H. GAULT, Ph. D.	Lecturer in Psychology (1924-25)
✓ SOLOMON FARLEY ACREE, M. S., Ph. D.,	
<i>Research Professor of Physical-Organic Chemistry</i>	
JAMES E. HOUGHTON, M. D.	Professor of Preventive Medicine
✓ COLIN MACKENZIE MACKALL, Ph. D.	Professor of Chemistry
✓ HARRY GRANT HODGKINS, A. B.	Associate Professor of Mathematics
✓ ELMER LOUIS KAYSER, A. M.,	
<i>Secretary of the University and Associate Professor of History</i>	
✓ ROBERT WHITNEY BOLWELL, Ph. D.	Associate Professor of English
✓ WALTER L. CHENEY, Ph. D.	Associate Professor of Physics
✓ FRED AUGUST MOSS, Ph. D.	Associate Professor of Psychology
JAMES H. PLATT, M. E.	Associate Professor of Mechanical Engineering
✓ HAROLD GRIFFITH SUTTON, A. B., M. S.,	
<i>Associate Professor of Economics</i>	
ANNA LORETTE ROSE, A. M.	Dean of Women
✓ EDWIN ALLSTON HILL, Ph. D.	Assistant Professor of Chemistry
✓ LOUIS EUGENE MCARTHUR, A. M.	Assistant Professor of History
✓ CHARLES ELMER RESSER, Ph. D.	Assistant Professor of Geology
* GEORGE W. PHILLIPS, B. S. in Chem.	Assistant Professor of Chemistry
✓ CECIL KNIGHT JONES, B. Litt.	Assistant Professor of Spanish

\* Resigned.



- NORMAN B. AMES, B. S. in E. E.,  
*Assistant Professor of Electrical Engineering*
- ARTHUR FREDERICK JOHNSON, M. E.,  
*Assistant Professor of Mechanical Drawing*
- ✓ CLAUDE L. BENNER, Ph. D., *Assistant Professor of Economics*
- ✓ RAYMOND FRANKLIN BORDEN, Ph. D., *Assistant Professor of Mathematics*
- ✓ FREDERICK EUGENE FOWLE, JR., S. B., *Lecturer on Astro-Physics*
- AUGUSTIN M. PRENTISS, C. E., Ph. D.,  
*Assistant Professor of Mechanical Engineering*
- ✓ MERLE I. PROTZMAN, A. M., *Assistant Professor of Romance Languages*
- ✓ RALPH B. FOSTER, A. M., *Assistant Professor of Romance Languages*
- J. ORIN POWERS, M. A., *Assistant Professor of Education*
- SAMUEL BURTIS BAKER, *Assistant Professor of Drawing and Painting*
- JAMES R. RANDOLPH, B. S., M. E., M. A.,  
*Assistant Professor of Mechanical Engineering*
- ✓ HOMER D. HOLLER, Ph. D., *Lecturer in Chemistry*
- ✓ ALBERT G. LOOMIS, Ph. D., *Lecturer in Chemistry*
- ✓ WINIFRED RICHMOND, Ph. D., *Lecturer in Psychology*
- LILLIAN P. CLARK, A. M., *Lecturer in Education*
- ✓ EMILY W. DINWIDDIE, *Lecturer in Social Service Work*
- JESSIE E. LA SALLE, M. A., *Lecturer in Education*
- JUNE MADISON HULL, B. S., M. D., *Lecturer in Home Economics*
- ✓ MRS. MITCHELL CARROLL, *Lecturer in Archaeology*
- EMMA O. LUNDBERG, M. A., *Lecturer on Child Welfare*
- MARIAN CRAIG, A. B., *Lecturer in Education*
- ✓ STEPHEN PANARETOFF, A. M., *Lecturer on the Near East*
- ✓ CRAWFORD M. BISHOP, M. A., *Lecturer on the Far East*
- ✓ FRANKLIN L. HUNT, Ph. D., *Lecturer in Physics*
- JAMES R. ECKMAN, Ph. D., *Lecturer in Chemistry*
- ✓ FRED TELFORD, Ph. D., *Lecturer in Psychology*
- WALTER S. DEFFENDAUGH, M. A., *Lecturer in Education*
- ✓ WILLIAM MIDDLETON, A. B., *Lecturer in Psychology*
- ‡ JULIA THECKLA MACMILLAN, S. M., *Instructor in Zoology*
- ✓ DORSEY W. HYDE, A. B., *Lecturer in Social Service*
- ✓ CHARLES EDWIN VAN ORSTRAND, S. M.,  
*Lecturer on Mathematical Physics*
- ✓ EDWARD CULLOM, A. M., *Instructor in French*
- ‡ GERTRUDE RICHARDSON BRIGHAM, Ph. D.,  
*Instructor in Archaeology and History of Art and in English*
- ✓ FRANK MCGINLEY PHILLIPS, Ph. D., *Instructor in Statistics*
- DANIEL C. CHACE, A. B., *Instructor in Journalism*
- ✓ CHARLES FREDERICK KRAMER, A. M., *Instructor in French*
- JOSEPH HENRY WILSON, B. S. in M. E.,  
*Instructor in Mechanical Drawing*

‡ On leave of absence.

HERBERT A. EHRLMAN, B. S. in M. E.,	<i>Instructor in Mechanical Drawing</i>
✓ANGEL C. VAZQUEZ.....	<i>Instructor in Spanish</i>
✓AIDA MARY DOYLE, M. S.....	<i>Instructor in Chemistry</i>
*MARGARET B. EVANS, B. S.....	<i>Instructor in Domestic Science</i>
✓HENRY ALBERT LEPPER, B. S. in Chem.....	<i>Instructor in Chemistry</i>
✓BONIFANT HAMILTON, M. S.....	<i>Instructor in Chemistry</i>
✓PETER VALEAR, M. S.....	<i>Instructor in Chemistry</i>
JOHN FRANKLIN MEYER, Ph. D., Sc. D.....	<i>Lecturer in Electricity</i>
✓ANDRE MARIE GEORGES BENETEAU, B. L.....	<i>Instructor in French</i>
✓MRS. DANIEL C. CHACE.....	<i>Instructor in Journalism</i>
✓WILLIAM J. WALLIS, A. M., LL. B.....	<i>Instructor in Mathematics</i>
✓WARREN REED WEST, Ph. D.....	<i>Instructor in Political Science</i>
✓ALAN DEIBERT, A. M.....	<i>Instructor in Romance Languages</i>
JAMES B. SULLIVAN, A. B.....	<i>Instructor in Education</i>
✓PAUL H. BRATTAIN, B. S. in Chem.....	<i>Instructor in Chemistry</i>
✓W. G. BROMBACHER, Ph. D.....	<i>Instructor in Physics</i>
✓C. G. EICHLIN, E. E.....	<i>Instructor in Physics</i>
✓HAROLD N. GIESE.....	<i>Instructor in Chemistry</i>
LAWRENCE JAMES O'ROURKE, Ph. D.,	<i>Lecturer in Educational Psychology</i>
✓AUDLEY L. SMITH, A. M.....	<i>Instructor in English</i>
ROBERT LEON ALBERT, B. S. in Arch.....	<i>Instructor in Architecture</i>
LOUIS JUSTEMENT, B. S. in Arch.....	<i>Instructor in Architecture</i>
✓JAMES CHRISTOPHER CORLISS, A. B.....	<i>Instructor in Spanish</i>
✓PAUL E. GROPP, A. B.....	<i>Instructor in German</i>
✓GEORGE KUMLER ANDERSON, A. M.....	<i>Instructor in English</i>
✓HARMON PARKER BROSS, A. M.....	<i>Instructor in English</i>
✓JOHN A. TILLEMA, Ph. D.....	<i>Instructor in Political Science</i>
✓LOWELL J. RAGATZ, A. M.....	<i>Instructor in History</i>
HARRY WATSON CRUM, A. B.....	<i>Instructor in Physical Education</i>
OTHMAR SOLNITZKY, Ph. D.....	<i>Instructor in Psychology (1924-25)</i>
GEORGE W. CRANE, M. A.....	<i>Instructor in Psychology (1924-25)</i>
✓COURTLAND DARKE BAKER, A. M.....	<i>Instructor in English</i>
MARY JACKSON.....	<i>Instructor in Physical Education for Women</i>
✓JAMES HOLDEN, B. S.....	<i>Instructor in Chemistry</i>
✓VERNON BOOTH LOWREY, A. M.....	<i>Instructor in Political Science</i>
✓B. H. LAMORE.....	<i>Instructor in Romance Languages</i>
✓HECTOR LAZO, A. B.....	<i>Instructor in Spanish</i>
✓PAUL WILLIAM BOWMAN, A. B.....	<i>Instructor in Botany</i>
✓CARL L. FREDERICK.....	<i>Instructor in Physics</i>
WILLIAM FREDERICK ROESER, B. S. in E. E.,	<i>Instructor in Electrical Engineering</i>
EUGENE WEISZ.....	<i>Instructor in Freehand Drawing</i>
✓RAYMOND CORBETT SHANNON, B. S.....	<i>Instructor in Entomology</i>

\* Resigned.



BENJAMIN DOUGLASS VAN EVERA, M. S.	<i>Instructor in Chemistry</i>
JOHN PHILIP MASON, A. M.	<i>Instructor in Chemistry</i>
JOHN R. MASON, A. B., A. M.	<i>Assistant Librarian</i>
FAY PIERCE BELJ, A. B.	<i>Assistant in Zoology</i>
WILLIAM T. MCCLOSKEY	<i>Assistant in Zoology</i>
MARY E. QUICK, A. B.	<i>Assistant in Zoology</i>
GEORGE L. ROBERTS, A. B.	<i>Assistant in Chemistry</i>
EDWARD P. HENDERSON, A. B.	<i>Assistant in Geology</i>
WILLIS BLACKFORD HAZLETON, A. B.	<i>Assistant in Political Science</i>
RAYMOND M. HANN	<i>Assistant in Chemistry</i>
RICHARD D. CAMPBELL, B. S. in E. E.,	<i>Assistant in Electrical Engineering</i>
MRS. R. C. SHANNON	<i>Assistant in Entomology</i>
CARL M. FRASURE	<i>Teaching Fellow in History</i>

## STUDENT ASSISTANTS

*Archaeology:* HENRY B. COLLINS, JR.

*Architecture:* V. E. WAGNER, DEAN WAGNER.

*Botany:* PHOEBE KNAPPEN.

*Chemistry:* MELICO L. ACANTILADO, LOREN BURRITT, L. S. CAMPBELL, A. G. EVANS, EDWARD E. EVERETT, FRED C. FARRELL, VINCENT J. GOULD, W. L. HELLER, DOROTHY HOTTEL, HOWARD A. JONES, ERNEST H. KLINE, NORMAN L. KNIGHT, H. L. LANGDON, ROLAND D. MACNAB, REX P. MULLIGAN, ERIC MCGEE NEWCOMB, S. R. POTTINGER, JAMES W. STEWART, E. A. SWEDENBORG.

*Commerce:* CLARENCE MITCHELL.

*Economics:* OMAR J. BROWN.

*English:* KATHERINE BRAKE, CATHERINE CHAPMAN, MARY CHASE, ELIZABETH DORSEY, MARGARET FRAVEL, HELEN GREGG, HELEN HASTINGS, PHOEBE KNAPPEN, JOSEPH L. LECHLIDER, ANITA MCHORD, RUTH BARNARD PARKER, GRACE PURSE, VIVIAN ROBB, MAXINE ROLLE, EFFIE M. ROSS, EDWIN D. SCHREIBER, MARGUERITE SMITH, BERNICE VELEY, ROSE VICKERS, MATHILDE WILLIAMS, VIRGINIA B. WILLIS.

*French:* VIRGINIA RONSAVILLE.

*History:* STANLEY CLARK, BERNARD JOSEPH MAYO, JOSEPH O'CONNOR, MARTHA POOLE, ARCHIBALD L. RUSSELL.

*Home Economics:* GRACE HARRIS, EDNA KILPATRICK.

*Library:* MARGARET ARTHUR, MARIAN BATES, GRACE BROWN, OMAR JESSE BROWN, ROBERTA CHAPMAN, OLIVE CHACE, MARY E. CHISHOLM, HELEN DIX, KARL EDLER, MINNIE V. HENSEL, HELEN B. KEEFER, MONA MACGREGORY, J. BERNARD POTTS, RAPHELLA SCHARWZ, ELEANOR SPIELMAN, ROSE VICKERS, MRS. EDITH WEBB.

*Mechanical Drawing:* ADRIAN F. BUSICK, JR.

*Mechanical Engineering:* JOHN G. LOEHLER, HAROLD H. DUTTON.  
*Physics:* JUNE COOPER, FREDERIC W. FARRAR, MELVILLE L. HEIGES,  
 MILDRED W. HOOKER, HAROLD A. WHEELER.

#### FACULTY OF THE SCHOOL OF GRADUATE STUDIES

The President, Dean Henning, Professors Hodgkins, Schoenfeld, Wilbur, Swisher, Bartsch, Smith, Ruediger, Schmidt, Humphreys, Richardson, Bassler, Kern, Croissant, Schapiro, Michelson, C. E. Hill, Erwin, McNeil, Lapham, Brown, Doyle, Hitchcock, Griggs, Alden, Churchill, Miller, Donaldson, Lewis, Hunter, Crandall, Bemis, Roe, Houghton; Associate Professors Kayser, Bolwell, Cheney, Moss, Platt, Sutton; Assistant Professors E. A. Hill, Ames, Borden, Johnson, Resser; Mr. Van Orstrand.

#### FACULTY OF COLUMBIAN COLLEGE

The President, Dean Wilbur, Professors Hodgkins, Schoenfeld, Swisher, Bartsch, Henning, Bibb, Smith, Ruediger, Schmidt, Richardson, Bassler, Kern, Croissant, Schapiro, C. E. Hill, McNeil, Erwin, Lapham, Brown, Doyle, French, Griggs, Alden, Churchill, Miller, Donaldson, Bemis, Miss Rose; Associate Professors Hodgkins, Kayser, Bolwell, Cheney, Moss, Platt, Sutton; Assistant Professors E. A. Hill, McArthur, Resser, Jones, Ames, Borden, Protzman, Foster, Powers; Miss Macmillan, Messrs. Diebert, West, Gropp, Anderson, Bross, Tillema, Ragatz, Crum, Frederick, Corliss, Bowman.

#### FACULTY OF COLLEGE OF ENGINEERING

The President, Dean Miller, Professors Hodgkins, Schoenfeld, Wilbur, Henning, Bibb, Ruediger, Schmidt, Bassler, Kern, Harris, McNeil, Erwin, Lapham, Brown, Doyle, French, Hitchcock, Alden, Crandall; Associate Professors H. G. Hodgkins, Cheney, Platt; Assistant Professors Resser, Ames, Johnson, Borden, Protzman, Foster, Baker, Randolph; Messrs. Deibert, Gropp, Anderson, Bross, Crum, Resser, Frederick.

#### FACULTY OF TEACHERS COLLEGE

The President, Dean Ruediger, Professors Hodgkins, Schoenfeld, Wilbur, Swisher, Bartsch, Henning, Smith, Schmidt, Richardson, Bibb, Bassler, Kern, Croissant, C. E. Hill, McNeil, Erwin, Brown, Doyle, Griggs, Miller, Alden, Churchill, Bemis; Associate Professors Kayser, Bolwell, Cheney, Moss, Sutton; Miss Rose; Assistant Professors McArthur, Borden, Powers, Protzman, Foster; Miss LaSalle, Messrs. Deibert, West, Gropp, Anderson, Bross, Tillema, Ragatz, Crum, Bowman.



## SCHOOL OF GRADUATE STUDIES

### GRADUATE COUNCIL

DEAN GEORGE N. HENNING, Chairman *ex officio*.

PROFESSORS D. C. CROISSANT and C. E. HILL, terms expiring in 1926.

PROFESSORS H. C. McNEIL and JOHN DONALDSON, terms expiring in 1927.

PROFESSORS S. F. BEMIS and J. T. ERWIN, terms expiring in 1928.

The Graduate Council has power to pass on students' petitions, to approve provisionally students' choice of studies for the degree of Ph. D., and such other powers as the Faculty of Graduate Studies may delegate.

### HIGHER DEGREES

The higher degrees conferred in course by the University in the School of Graduate Studies are: Master of Arts (A. M.), Master of Science in Engineering (M. S. in Eng.), Master of Science in Chemistry (M. S. in Chem.), Master of Architecture (M. Arch.), and Doctor of Philosophy (Ph. D.).

### ADMISSION

Candidates for admission to courses for higher degrees must make application to the Dean of the School of Graduate Studies or to the Registrar on application blanks, which may be obtained at either office. Candidates must present certificates of the degrees they hold from the institutions conferring such degrees. Until such certificates are presented, registration is merely provisional. Candidates requesting advanced standing must present detailed certificates of the work for which they ask credit.

To be admitted to candidacy for the Master's degree a student must have completed an undergraduate course of study such as is required by colleges of good standing antecedent to the baccalaureate degree. The Faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. Moreover, the course of study pursued must have been such as to qualify the candidates for pursuing the subjects chosen for the Master's or other higher degree sought.

Properly qualified students may be admitted as Students in Attendance, without becoming candidates for degrees.

### CHANGE OF COURSE AND WITHDRAWAL

A student desiring to change any course must secure the permission of the Dean. In case of withdrawal from the School, students should send prompt notice to the Dean or the Registrar, and are liable for

tuition charges until such notice is received. Notification to a professor, of withdrawal from his course, does not constitute notice of withdrawal.

### DEGREES OF MASTER OF ARTS AND MASTER OF SCIENCE

Candidates to attain the degree of A.M., M.S. in Eng., M.S. in Chem. or M. Arch., must complete successfully twenty-four semester hours of work, in addition to the thesis, forming a consistent plan of study. Courses may be elected from one, two or three departments. At least twelve semester hours, plus the thesis, must be in a major subject. At least twelve semester hours must be taken in the School of Graduate Studies, irrespective of the amount transferred from college or from other institutions. The minimum amount in any one subject that will be counted towards the Master's degree is four semester hours. The candidate's choice of subjects must be approved by his major department and by the Dean. Whenever possible, it is advisable for students to consult members of the major department before registering.

First Section courses, "Primarily for Undergraduates," may under no circumstances be counted towards any higher degree, though a graduate student may be allowed or if necessary as a prerequisite for advanced courses may be required to take them without receiving academic credit. Second Section courses, "For Undergraduates and Graduates," may count towards a higher degree only with the previous approval of the department concerned. Candidates must take at least one Third Section course, "Primarily for Graduates," unless excused by the major department.

Advanced courses taken in the Senior year of college may be counted to the extent of not over twelve semester hours towards a higher degree, provided that the student shall notify the Dean of the School of Graduate Studies at the beginning of each such course of his desire to count it towards such higher degree; but no work counted towards a Bachelor's degree shall be counted also towards a higher degree.

Part of the work for the Master's degree may be taken in the Medical School or the Law School, but work so taken cannot be counted both towards the Master's degree and a degree in Medicine or Law. A candidate for the Master's degree may not take more than twelve semester hours, plus his thesis, in the Medical School or Law School.

Advanced work in other institutions of learning may be credited towards the Master's degree in this University, to the extent of not more than twelve semester hours. No work, whether done here or elsewhere, will be credited towards a Master's degree unless the student attains at least grade "B" or its equivalent in work aggregating



at least twelve semester hours and at least grade "C" on the remainder.

A student who expects to continue his studies for the Ph. D. after receiving the Master's degree is strongly advised so to plan his course from the beginning that work done for the lower degree may count for the higher.

A candidate who takes his major work in Engineering shall register for the degree of M. S. in Eng.; in Chemistry, for the degree of M. S. in Chem.; in Architecture, for the degree of M. Arch.; in any other subject, for the degree of A. M.

A candidate for a Master's degree must pass in residence and study at this University at least two semesters, or one semester and one summer session of nine weeks, or three summer sessions of nine weeks each, or four summer sessions of six weeks each. No credit shall be granted for work done in absentia, *i. e.*, without formal instruction here or at some other institution of learning, except for the thesis, which may be completed in absentia with the permission of the department concerned.

Students taking courses only after 5 o'clock shall not be allowed to take over eighteen semester hours in a year (as defined above), or nine semester hours in a semester. No student shall take courses aggregating more than nine semester hours in one summer session, nor more than six if a part-time student.

A candidate for a Master's degree must present a thesis in his major subject. The thesis, which counts six semester hours towards the degree and is charged for the same rate as courses, must be registered for by the candidate, preferably at the time of original registration. The choice of the thesis-subject must be approved by the professor in charge of the major, and recorded at the Registrar's office at least four months before the date on which the thesis is due. The student is expected to consult the professor in charge frequently in regard to the progress of work on the thesis. The thesis in its final form must have the approval of the professor in order to count towards the degree. Attention is also called to "Regulations Regarding Theses," below.

#### DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is conferred only upon students who have acquired a broad and thorough knowledge of their field of learning, as evidenced by courses followed or other formal instruction received, and who have shown marked ability in original research in some particular branch of that field, as proved by the results set forth in their theses. Formal requirements of courses and residence, although essential, are wholly subordinate to the above principle. In courses in which grades are assigned, whether followed here or else-

where, the student must attain at least grade "B," or its equivalent, on one-half of his work and at least "C," or its equivalent, on the remainder.

### ADMISSION TO REGISTRATION

Before the student can be admitted to registration for this degree he must give evidence that he has completed a liberal undergraduate course of academic study such as is required by colleges of good standing antecedent to the baccalaureate degree, and of such a character as to fit him to pursue to advantage researches in the field chosen for his graduate work. The Faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. Admission to registration does not necessarily imply admission to candidacy for the Ph. D.

### ADMISSION TO CANDIDACY

To be admitted to candidacy for the degree, the student must make application to the Dean on a blank provided for that purpose, not less than twelve months after receiving his Bachelor's degree. To be admitted to candidacy, the student must have fulfilled the following requirements not later than November 1 if he expects to graduate the following June, and not later than May 1 if he expects to graduate the following February: (a) Have satisfied the Departments of French and German that he can read understandingly, in the original, French and German works pertaining to his special field, and have satisfied such other language requirements as his major department shall have prescribed; (b) have passed his preliminary examination before members of his division; (c) have selected his thesis-subject and received the approval of the subject by the major department.

### RESIDENCE

Before receiving the degree of Doctor of Philosophy, the candidate shall have spent at least three years, since receiving his baccalaureate degree, in graduate study in recognized institutions of learning. A part-time student shall be required to devote a proportionately longer time, the amount of additional time to be determined by the student's committee. In part satisfaction of residence requirements, the candidate, in addition to his research work, must follow regular courses, to an amount prescribed by his committee. The candidate may be credited with work done at other approved institutions, but must spend at least his last year at this institution.



## CHOICE OF STUDIES

Students must in general confine choice of studies to one of the divisions enumerated below. At the option of the Graduate Council, all courses may be in that department, or some in other departments of the same division, or some in one other division.

## DIVISIONS

- I. Languages and Literatures:
  - Classics, English,
  - Germanic, Romance, Semitic,
  - Comparative Literature.
- II. History and the Social Sciences:
  - Commerce, Economics and
  - Sociology, Education,
  - Ethnology, History, Law,
  - Political Science.
- III. Philosophy and Art:
  - Architecture, Art and
  - Archaeology, Education,
  - Philosophy, Psychology.
- IV. Mathematics and Physical Sciences:
  - Applied Mathematics, Architecture,
  - Astronomy, Astro-Physics,
  - Chemistry, Engineering (Chemical, Civil,
  - Electrical and Mechanical),
  - Mathematics, Meteorology,
  - Nautical Science, Physics.
- V. Biological Sciences:
  - Bacteriology, Botany, Ethnology,
  - Geology and Mineralogy, Medicine, Psychology,
  - Zoology.

## GUIDANCE OF STUDENTS

In the pursuit of studies the student shall be under the guidance of a committee consisting of the professors of the major department and any other professor under whom he shall take work counting towards his degree. This committee shall have power to determine what work he shall complete, in regular courses or otherwise, to approve his choice of a thesis-subject, to conduct all examinations, and to determine whether he shall be recommended for the degree.

## EXAMINATIONS

Before being admitted to candidacy the student (as provided above) shall pass a preliminary oral examination before representative pro-

fessors of his division. Before being recommended for the degree, he shall pass a written examination, conducted by his committee, not later than one month before Commencement, on the general field of his major subject. If successful in this, he shall be given an oral examination, conducted by members of his division, on his thesis and any subjects bearing on his work. The questions and answers to the written examination, together with the decision of the examiners, shall be sent to the Dean not later than ten days before Commencement and shall form part of the student's file.

### DOCTORAL THESES

Not later than the date specified in the University calendar, the candidate for the degree of Ph. D. shall submit a typewritten copy of his thesis and also a typewritten summary of not more than 2,500 words of the thesis. The summaries of accepted theses will be printed in a volume forming a number of the University Bulletin. After being notified that his thesis has been accepted, and before receiving his degree, the candidate shall pay to the Treasurer \$25.00 to meet the cost of printing.

Students who have received the degree of Ph. D. are urged to print their theses in full if possible.

### GRADUATION

The degree of Ph. D. will be conferred only in June and in February.

### REGULATIONS REGARDING MASTERS' AND DOCTORS' THESES

All theses for each degree sought must, in their final form, be presented by the student to the Dean by the dates announced in the University Calendar. They must previously have been typewritten on official thesis paper, which may be obtained from the Treasurer of the University. The title-page must read: [Title] by [name of candidate], a thesis submitted to the Faculty of Graduate Studies of George Washington University in part satisfaction of the requirements for the degree of [name of degree]. [Date.] The typewritten thesis must be bound in cloth or leather.

The Dean will present theses to the chairman of the committees on the candidates. Accepted theses, with their accompanying drawings, are the property of the University, and will be deposited in the University Library, but the authors of them are permitted to make copies.

### SCHOLARSHIPS

In special cases certain of the Scholarships listed on pages 32-33 may be assigned to graduate students.



## THE COLLEGES

The College session of 1925-26 begins Wednesday, September 23, 1925.

The Colleges are open to men and women.

### ADMISSION

Every applicant for admission is required to present a certificate of standing and regular dismissal from the school or college which he has last attended.

Candidates for admission to the Freshman Class may present certificates of admission or take an examination in the required subjects. Certificates, in lieu of any or all examinations, will be accepted from schools whose work is attested by well-prepared students admitted to the University in previous years, and from schools that present evidence of affording adequate preparation in the required subjects. The Registrar will, on application, furnish certificate blanks to the principals of such accredited schools.

The certificates of the College Entrance Examination Board will be accepted.

Certificates from unaccredited secondary schools will not be accepted, and applicants presenting such certificates will be admitted only on passing entrance examinations.

*The requirement for admission is a four-year high-school course, or its equivalent, amounting to fifteen "units." For prescribed studies see the specifications of each college.*

A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work.

### SCHOLARSHIP REQUIREMENTS

1. Students who fail in one-half or more of their work shall be dropped.
2. Students who in any term (a) fail in one-third of their work, or (b) do not make at least "C" in two-thirds of their work and fail in one or more courses; or (c) students who fail to make at least "C" in two-thirds of their work in two successive semesters, shall be put on probation.
3. A student put on probation at the end of the first semester shall discontinue all courses in which he has failed, nor shall he be permitted to take over fifteen hours if he is a full-time student; nor more than nine hours if he is a part-time student. Nor shall he serve as an officer or member of a committee in any class or student organization. A student on probation shall have his probation removed at the

end of one semester if he passes all courses, with the grade of at least "C" in two-thirds of them. A student in group (c), rule 2, shall be dropped at the end of one semester if he fails to pass all courses, with the grade of at least "C" in two-thirds of them. A student in group (a) or (b), rule 2, shall be continued on probation after one semester if he passes all work, but fails to make the grade "C" or better in at least two-thirds of his work, and shall be dropped at the end of the second semester of his probation if he does not pass all courses with the grade of at least "C" in two-thirds of them.

4. A student who has been dropped may reenter the Department of Arts and Sciences after an interval of one semester. A student who has been dropped twice in accordance with these provisions may not reenter.

5. Except in case of withdrawal from the University, no student shall be permitted to drop a course during the last month of a semester.

### ENTRANCE EXAMINATIONS

The regular examinations for admission are held about May 22, and the schedule for examinations is issued May 15. Examinations will also be given in the fall at dates to be announced.

Unless admitted by certificate, every undergraduate candidate for a degree is required to pass an examination.

Candidates from the Washington high schools for the Kendall and the University Scholarships will be examined on nine units. These units upon which the examinations will be given are the following: the specified subjects—English (three units), Mathematics (two units), and one other language (two units); the remaining two units will be in language, history, mathematics, physics, chemistry, biology—as the candidate shall elect. The remainder of the fifteen units must be certified from the high schools.

### Definition of Requirements

#### ENGLISH

##### *(Three Units)*

The requirement in English is that recommended by the National Conference on Uniform Entrance Requirements in English.

However accurate in subject matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling or other essentials of good usage.

The examination will be divided into two parts:

#### *1. Grammar and Composition*

In grammar and composition the candidate may be asked specific questions upon the practical essentials of these studies, such as the



relations of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English which one should know in distinction from current errors. The main test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn from the books read, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading. For this purpose the examiner will provide several subjects, perhaps eight or ten, from which the candidate may make his own selections. He will not be expected to write more than four hundred words per hour.

## 2. Literature

The examination in literature will include:

*A. Reading.*—General questions designed to test such a knowledge and appreciation of literature as may be gained by an intelligent reading of at least two books under each of five groups as follows: Group I—Classics in Translation (a selection from any other group may be substituted for this); Group II—Shakespeare; Group III—Prose Fiction; Group IV—Essays, Biography, etc.; Group V—Poetry. Other books than those named in the Uniform Entrance Requirement list will be accepted under each group, provided the books are of standard literary character. The candidate will be required to submit a list of the books read in preparation for the examination, certified by the principal of the school in which he was prepared; but the books named in this list will not be made the basis of detailed questions.

*B. Study.*—The books provided for study are arranged in four groups, from each of which one selection is to be made.

### GROUP I, DRAMA

Shakespeare: Julius Cæsar, Macbeth, or Hamlet.

### GROUP II, POETRY

Milton: *L'Allegro*, *Il Penseroso*, and either *Comus* or *Lycidas*.

Tennyson: *The Coming of Arthur*, *The Holy Grail*, and *The Passing of Arthur*.

The selections from Wordsworth, Keats and Shelley in Book IV of Palgrave's *Golden Treasury* (First Series).

### GROUP III, ORATORY

Burke: *Speech on Conciliation with America*.

Macaulay's *Two Speeches on Copyright*, and Lincoln's *Speech at Cooper Union*.

Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*.

## GROUP IV, ESSAYS

Carlyle: Essay on Burns, with a selection from Burns' Poems.

Macaulay: Life of Johnson.

Emerson: Essay on Manners.

A test on the books prescribed under the *Study* groups will consist of questions upon their content, form, and structure, and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

For the George Washington University Scholarship Entrance Examinations the books for *Reading* and *Study* will be the required English of the Washington high schools.

## LATIN

*Elementary (two units)*

a. I. Latin Grammar: The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verb; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse, and the subjunctive.

II. Latin Prose Composition: Translation into Latin of detached sentences and easy continuous prose based on Cæsar.

b. Cæsar: Any four books of the Gallic War, preferably the first four.

*Advanced (two units)*

a. Cicero: Any six orations from the following list, but preferably the first six mentioned. The four orations against Cataline, Archias, the Manilian Law, Marcellus, Rosius, Milo, Sestius, Ligarius, the Fourteenth Philippic.

b. Virgil: The first six books of *Æneid*.

c. Advanced Prose Composition, consisting of continuous prose of moderate difficulty based on Cicero.

d. Sight Translation, based on prose of no greater difficulty than the easier portions of Cicero's orations.

## GREEK

*Elementary (two units)*

a. I. Greek Grammar: The topics of the examination in Greek grammar are similar to those detailed under Latin grammar.

II. Greek Prose Composition, consisting principally of detached sentences to test the candidate's knowledge of grammatical constructions. The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis*.

b. Xenophon: The first four books of the *Anabasis*.



*Advanced (one unit)*

- a. Homer: The first three books of the Iliad (omitting II, 494, to end).
- b. Sight Translation, based on prose of no greater difficulty than Xenophon's Anabasis.

**FRENCH***Elementary (two units)*

Candidates in Elementary French must have a good knowledge of the essential parts of grammar, with stress on pronouns and on regular verbs and the common irregular verbs. They must know the principles of pronunciation; must be able to translate simple English sentences or easy connected prose into French, and to translate accurately ordinary modern French prose. Candidates must have translated not less than 450 duo-decimo pages by at least four different authors, of which amount at least one-third must be history. Candidates must have had a two years' course of five periods per week.

*Advanced (two units)*

Candidates in advanced French must have partly translated, partly read, in addition to the requirements for Elementary French, at least 1,000 pages of difficult French of several different authors, including history, fiction, drama, and poetry. Candidates must have had a four years' course of five periods per week.

Fraser and Squair's French Grammar or Grandgent's Essentials of French Grammar is recommended.

**SPANISH***(Two units)*

Candidates in Spanish must have a good knowledge of grammar, including syntax, with stress on pronouns and verbs, regular and irregular. They must know the principles of pronunciation. They must be able to translate simple English sentences or easy connected prose into Spanish, and to translate accurately fairly difficult modern Spanish prose and verse. Candidates must have translated not less than 500 pages by at least four different authors, of which amount at least one-fourth must be history or drama. Candidates must have had a two years' course of five periods per week.

**GERMAN***Elementary (two units)*

Candidates in Elementary German must have had a two years' course of five periods a week. They must be able to read fluently at sight and to translate easy narrative prose and poetry. An accurate

knowledge of the elements of German grammar and the ability to translate simple prose into German are requisite. About 300 pages of graduated narrative prose, one short play, and such poetry as is usually found in a First Reader will be considered an adequate preparation.

*Advanced (two units)*

Candidates in Advanced German must have had a four years' course of five periods a week. They should be well trained in the syntactical laws of the language, have read about 800 pages of good literature in prose, preferably such prose works as are given in the Report of the Committee of Twelve of the Modern Language Association, and poetry, especially dramas by Lessing, Schiller and Goethe, and studied an elementary history of German literature. German composition should comprise a number of short themes upon assigned historical or literary topics, lives of the authors read, etc.

### HISTORY

In this subject special importance is attached to preparation in geography.

*Ancient History (one unit)*

a. Greek History.

b. Roman History.

*Mediaeval European History (one unit)*

*Modern European History (one unit)*

*English History (one unit)*

*American History with the Elements of Civil Government (one unit)*

### MATHEMATICS

*Elementary Algebra (one unit)*

Algebra to Quadratics: The four fundamental operations for rational algebraic expressions, factoring, highest common factor, lowest common multiple, complex fractions, the solution of equations of the first degree containing one or more unknown quantities, radicals, including the extraction of the square root of polynomials and numbers, and fractional and negative exponents.

*Intermediate Algebra (one-half unit)*

Quadratics, etc.: Quadratic equations and equations containing one or more unknown quantities that can be solved by the methods of quadratic equations, problems depending upon such equations, ratio and proportion, and the binomial theorem for positive integral exponents.



*Advanced Algebra (one-half unit)*

The progressions; the elementary treatment of permutations and combinations; the use of four and five-place tables of logarithms; undetermined coefficients; the elementary treatment of infinite series, the binomial theorem for fractional and negative exponents; the elementary treatment of the theory of equations.

*Plane Geometry (one unit)*

General text propositions, including the solution of simple original exercises and numerical problems.

*Solid Geometry (one-half unit)*

Properties of straight lines and planes, of dihedral and polyhedral angles, of projections, of polyhedrons, including prisms, pyramids, and the regular solids; of cylinders, cones, and spheres; of spherical triangles and the measurement of surfaces and solids.

*Plane Trigonometry (one-half unit)*

The definitions and relations of the six trigonometrical functions as ratios, proof of important formulas, theory of logarithms and use of tables, solution of right and oblique plane triangles.

## PHYSICS

*(One unit)*

It is recommended that the candidate's preparation should include:

a. Individual laboratory work, comprising at least thirty-five exercises well distributed over the subjects of physics.

b. Instruction by lecture-table demonstrations.

c. The study of at least one standard text-book, supplemented by the use of many and varied numerical problems. The metric system should be familiar to the student.

## CHEMISTRY

*(One unit)*

The candidate's preparation in chemistry should include:

a. Individual laboratory work, comprising at least forty experiments. The laboratory note-book should be submitted for inspection.

b. Instruction by lecture-table demonstrations.

c. The study of at least one modern text-book.

*Requirements.*—The ground to be covered and the character of the work should be analogous to that required by the College Entrance Examination Board.

### ADDITIONAL SUBJECTS

Certificates will be accepted in botany, zoology, physiology, physiography, political economy, drawing, music, and other accredited subjects in secondary schools.

#### *Manual-Training High School Subjects*

Technical subjects in manual-training high schools, or schools of similar grade, when duly certified, will be credited as follows:

Shopwork (not exceeding two units), domestic science and domestic art (not exceeding two units).

#### *Business High School Subjects*

Commercial subjects in business high schools or schools of similar grade, when duly certified, will be credited to the extent of four units.

### ADMISSION TO ADVANCED STANDING

Due credit is given for properly certified courses of study pursued in other colleges and universities.

### SPECIAL STUDENTS

All the courses of instruction are open to students of suitable age and attainments who wish, without reference to any degree, to pursue special studies. Candidates must show that they are familiar with the subjects preliminary to the studies which they wish to pursue.

### SCHOLARSHIPS AND PRIZES

Applications for scholarships should be filed with the Dean of the College in which the student is to register not later than September 15. All scholarships except the Kendall Scholarship, the Elma Lewis Harvey Scholarship, and the University Scholarships are awarded for one year only, but they may be renewed. Any student holding a scholarship who fails to obtain a general average of 85 per cent on the work of any term, or whose deportment is unsatisfactory, will be reported to the President's Council, and in the absence of extenuating circumstances the scholarships will be revoked.

### SCHOLARSHIPS FOR COMPETITION

The University offers the following scholarships to be awarded on competitive examination given at the time of the May entrance examinations. Holders of these scholarships are expected to pursue a regular course in one of the colleges of the Department of Arts and Sciences. No scholarship is awarded to a candidate whose examination average is below 80 per cent.



*Kendall Scholarship.*—The Kendall Scholarship, founded by the late Hon. Amos Kendall, is annually conferred on that member of the graduating class of any of the Washington high schools who attains the highest average in the entrance examinations. This scholarship continues throughout the undergraduate course, and the student holding it pays only the registration, laboratory and graduation fees.

*University Scholarships.*—The University offers also six scholarships, to be awarded annually to members of the graduating classes of any of the Washington high schools. These scholarships continue throughout the undergraduate course, and students holding them pay only the registration, laboratory and graduation fees.

### SCHOLARSHIPS FOR ASSIGNMENTS

*Davis Scholarship.*—This is the income of a fund of one thousand dollars given to the University in October, 1869, by Hon. Isaac Davis, of Massachusetts.

*Mary Lowell Stone Scholarship.*—This scholarship was founded by a woman in memory of a woman student of science. It consists of a fund of two thousand dollars, the income from which is to be paid to needy women students of science in the University.

*Maria M. Carter Scholarship.*—This is the income of a fund of one thousand dollars given to the University in 1871 by Mrs. Maria M. Carter.

*Farnham Scholarship.*—This is the income of a fund of one thousand dollars given to the University in 1871 by Mrs. Robert Farnham.

*Withington Scholarship.*—This scholarship was founded in 1830 by the New York Baptist Theological Seminary, to be known as the Withington Scholarship. It has annual stipend in tuition fees of sixty dollars.

*Walker Scholarship.*—This scholarship was founded in 1824 by William Walker, Esq., of Putnam County, Georgia. It carries an annual stipend of one hundred dollars in tuition fees available for an undergraduate intending to enter the Christian ministry.

*Morehouse Scholarship.*—This scholarship was founded by Mr. A. Morehouse, of Washington, D. C., in 1861. It carries an annual stipend of sixty dollars in tuition fees available for an undergraduate intending to enter the Christian ministry.

*Nellie Maynard Knapp Scholarship Fund.*—A fund of five thousand dollars established in 1915 by the Columbian Women in memory of its president, Mrs. Martin A. Knapp, to provide scholarships for women. Application may be made to any of the Deans in the Department of Arts and Sciences.

*Henry Harding Carter Scholarships.*—These scholarships, founded by Mrs. Maria M. Carter in memory of her husband, Henry Harding

Carter, consists of four scholarships of the annual value of fifty dollars each, and may be awarded to deserving students who are preparing for the civil engineering profession.

*The Byron Andrews Scholarship Fund.*—A fund founded by Mrs. Belle Fisk Andrews in memory of her husband, the late Byron Andrews, to provide scholarships "For ambitious and needy students, who desire to pursue courses in English, Latin, Journalism, History, Literature or Political Science."

*Founders of Columbian Women Scholarships.*—This scholarship was established by the Columbian Women in 1920. At present it consists of a fund of approximately four thousand dollars, the income from which may be assigned to a deserving woman student. Application may be made to any of the Deans of the Department of Arts and Sciences.

*The Elma Lewis Harvey Scholarship.*—This scholarship was founded in 1921 by Mrs. Emma Elizabeth Harvey, in memory of her daughter, and is to be awarded every four years, or as often as vacant, to a young woman of the Protestant faith and of the Caucasian race who shall be selected for scholarship and moral qualifications.

*The John Hitz Metzertott Scholarship.*—This scholarship was established in 1923 in memory of John Hitz Metzertott, M. D. '91, by members of his family, and is to be awarded every six years, or as often as vacant, to a young man preparing to enter the medical profession.

*The David Spencer Scholarship Fund.*—This fund was established by a bequest from Louisa J. Spencer. The income is used to aid in defraying the expenses of students who meet certain conditions established by the terms of the bequest.

*Admiral Powell Endowment.*—The Admiral Powell Endowment was made by Admiral Levin M. Powell, U. S. Navy. The income from this endowment is for the "free education of such young men as may desire to take advantage of the said endowment by way of their preparation for entrance into the Naval Academy at Annapolis, Maryland, or such as may fit them to become mates or masters in the Merchant Marine Service of the United States," and of "such apprentices as, having filled their time in the great steam manufactory establishments of the country, may apply for appointment from civil life in the Steam Engineer Department of the United States Navy." The number of scholarships awarded each year will be determined by the income from the endowment. Each scholarship will entitle the beneficiary to free tuition for one year. Such special courses of study are offered to each student as will give him the instruction needed to accomplish the purpose for which he is awarded the scholarship.

These scholarships are especially applicable to those who intend to come up for examinations as warrant officers in the Engineering De-



partment of the Navy, to warrant officers who are preparing for examination for appointment as Ensign, to persons desiring to enter the Navy as Acting Ensigns for engineering duty, or to those who desire to fit themselves for responsible positions in the mercantile marine.

The subjects to be taken by a student will vary according to his preparation and according to the purpose for which he has been awarded the scholarship, but a year's work can be selected from the following topics:

	<i>Hours</i>
Navigation and Nautical Astronomy.....	4
Algebra and Geometry.....	6
Trigonometry .....	3
Mechanical and Machine Drawing.....	8
English .....	6
French .....	6
German .....	6
Spanish .....	6
International Law .....	6
Commercial Geography .....	6
Boilers and Power Plants.....	3
Mechanical Laboratory .....	4
Electrical Engineering .....	6

*Ministerial Aid.*—The University authorizes the remission of a stated amount in tuition fees, to be called Ministerial Aid, which may be given to students, resident in the District of Columbia or its immediate vicinity in the regular courses of Columbian College, preparing for the ministry and not yet ordained. Any student receiving Ministerial Aid may be called upon for clerical or like work to the extent of not more than one hour a week for every twelve dollars of tuition remitted, and of not more than four hours in any one week.

*University Aid.*—The University authorizes the remission of a stated amount in tuition fees, to be called University Aid, which may be loaned to undergraduate students in regular courses in the Department of Arts and Sciences whose circumstances warrant pecuniary assistance. Any student receiving University Aid is expected to repay it as soon as possible. In occasional instances he may be enabled, while still a student, to repay it in part or whole through clerical or like service rendered the University.

*Loan Scholarships.*—A limited number of loan fund scholarships are available to students under advantageous conditions. Applications should be made to the Treasurer of the University.

## PRIZES

(Only candidates for degrees may compete for these prizes.)

*Staughton and Elton Prizes.*—The Staughton Prize, for excellence in the Latin Language and Literature, and the Elton Prize, for excellence in the Greek Language and Literature, founded by the Rev. Romeo Elton, D. D., of Exeter, England, consist of two gold medals, annually awarded to the best scholar in each of these languages.

*Ruggles Prizes.*—The Ruggles Prizes, for excellence in Mathematics, founded by Professor William Ruggles, LL. D., consist of two gold medals, annually awarded upon examination to the best two scholars in Mathematics.

*Davis Prizes.*—The Davis Prizes were founded by Hon. Isaac Davis, of Massachusetts, in 1847. The original endowment was five hundred dollars, "proceeds of which will afford three premiums, in cash or gold medals, of the value of five dollars, ten dollars, and of fifteen dollars annually—these premiums or prizes to be distributed annually to such members of the Senior Class as shall have made the greatest progress in elocution since their connection with the College." Only members of the Senior Class are eligible to compete for these prizes.

*Daughters of the American Revolution Prize.*—This prize, founded by the Daughters of the American Revolution of the District of Columbia, consists of a gold medal, awarded annually to the student in the graduating class who, having maintained a high standing in the several courses in History offered by the University, shall produce the best essay upon an assigned topic of American history.

*The Thomas F. Walsh Prize.*—This prize, established by Thomas F. Walsh, Esq., of Colorado, and based upon the income of one thousand dollars, consists of a gold medal awarded annually to that student of the graduating class who, having maintained a high standard in the several courses in History, shall produce the best essay upon a designated period of the History of England in its association with the History of Ireland.

*E. K. Cutter Prize.*—The E. K. Cutter Prize in English was founded by the late Marion Kendall Cutter. The endowment is a fund of one thousand dollars, the income of which is given annually as a prize "for excellence in the study of English." The prize will be awarded to the member of the graduating class whose record in English, combined with general excellence, shows most marked aptitude and attainment in English studies.

*Willie E. Fitch Prize.*—The Willie E. Fitch Prize, for highest excellence in all branches of Chemistry, founded by James E. Fitch, Esq., in memory of his son, consists of fifty dollars, which is awarded annually for the best examination in Chemistry.



*The Gardiner G. Hubbard Memorial Prize.*—This is a prize in American History established by Mrs. Gertrude M. Hubbard in memory of her husband, the late Gardiner G. Hubbard. The endowment is a fund of one thousand dollars, the income from which is to be given annually to that member of the graduating class who has during four years maintained a high standing in the several classes in History, and who has produced the best essays upon subjects based upon a study of some assigned period of American history.

*Muth Prize.*—George F. Muth & Co. offer a slide rule to the student who makes the highest record in Mechanical Drawing 1.

*Colonial History Prize.*—The Society of the Colonial Dames of America, Chapter III, offers annually a gold medal for excellence in American Colonial History. This prize will be awarded by the professor of History for general excellence in this subject as shown by class standing, by special essays, and by such other tests as shall be prescribed.

*James Macbride Sterrett, Jr., Prize.*—Founded by the late Professor James Macbride Sterrett, in memory of his son, consists of a gold medal annually awarded to that student taking Course 1 in Physics who obtains the highest average in a special examination on a given subject and in the writing of an essay on an assigned topic.

*The Alexander Wilbourne Weddell Prize.*—From a fund established by a gift of Mrs. Virginia Chase Weddell, an annual prize of two hundred and fifty dollars is awarded to a student of the University, who is registered for a degree, for the best essay upon the subject of "the promotion of peace among the nations of the world." The prize essays shall become the property of the University and shall not be printed or published without the written consent of the University. The University reserves the right to withhold the award if no essay attaining the required degree of excellence is submitted.

*The Chi Omega Prize in Sociology.*—An annual prize of fifteen dollars is offered by the Phi Alpha Chapter of the Chi Omega Fraternity for the best essay on a sociological subject to be announced by the Committee in Charge. Essays must meet the requirements defined by the Committee and be submitted on or before April 1.

*Sigma Kappa English Prize.*—An annual prize of a set of books to the value of ten dollars is offered by the Sigma Kappa Sorority to the student passing the best examination in the year's work in English Rhetoric. All members of the classes in English Rhetoric are eligible for this special examination, which will be given during the final examinations.

*Phi Mu Prize in Playwriting.*—An annual prize is offered by the Phi Mu Fraternity for a one-act play of approved excellence written by a student in the University. The award will be made by the English

Department of the University, and the George Washington University Players shall have the opportunity to give the first production of the play.

*Sigma Kappa Prize in Chemistry.*—A prize of ten dollars is offered annually by Zeta Chapter of Sigma Kappa Sorority to that student who passes the best examination in Chemistry 1.

*Genevieve Chatterton McCutchins Prizes.*—Two cash prizes of twenty-five dollars and fifteen dollars, based on the income of a memorial fund of one thousand dollars, to be awarded annually for the best and the next best essays on subjects connected with Archaeology or Painting. In their award consideration will be given to students' knowledge of contemporary literature, history, or music, as relating to the progress of fine arts. These prizes are open to both graduates and undergraduates.

*Kappa Alpha Prize in Economics.*—An annual prize of ten dollars is offered by the Alpha Nu Chapter of Kappa Alpha Fraternity for the best essay on a subject in the field of Economics. The essays will be judged by a committee of three, consisting of the Professor of Economics, a member designated by the Fraternity and a third member designated by the first two. The essays must be submitted by the first of May.

*Alchemists Prize.*—The Alchemists offer annually a gold medal to the graduating student who has attained the highest average in Chemical subjects, provided that he has completed an amount of Chemistry equal to the minimum required for a degree in Chemistry or Chemical Engineering and that at least three-fourths of this work has been done at George Washington University.

*Dietzgen Prize.*—The Eugene Dietzgen Co. offers a drop bow pen to the student making the highest record in Machine Drawing.

*Dietzgen Prize in Architecture.*—The Eugene Dietzgen Co. offers a water color set to the freshman making the highest record in Architectural Drawing.

*Chemical Society Prize.*—A medal is offered annually to that student belonging to the society who presents the best paper during the year.

*Sigma Tau Prize.*—The Xi Chapter of Sigma Tau offers annually a gold medal to the freshman in the College of Engineering who maintains the highest scholastic standing throughout the year.

*Goddard Medal in Commerce.*—This prize was founded by Mary W. Goddard, Alice Douglas Goddard and Frederick J. Goddard, of Georgetown, D. C., in memory of Morgan Richardson Goddard, and is awarded to the student making the highest average in Commerce. The prize consists of a gold medal and twenty-five dollars in gold.

*Goddard Medal in Pharmacy.*—This prize was founded by Mary



W. Goddard, Alice Douglas Goddard and Frederick J. Goddard, of Georgetown, D. C., in memory of James Douglas Goddard, and is awarded to the student making the highest average in Pharmacy.

*Goddard Medal in French.*—This prize was founded by Mary W. Goddard, Alice Douglas Goddard and Frederick J. Goddard, of Georgetown, D. C., in memory of Edward Carrington Goddard, class '81, and is awarded to the student making the highest average in the French language and literature.

*Circulo Español Cervantes Medal.*—The Spanish Club of the University, El Circulo Español, offers annually a bronze medal for the best essay dealing with a subject chosen from the life or works of Miguel de Cervantes Saavedra. Essays must be submitted on or before April 1, and the prize will be awarded on April 23, the anniversary of the death of Cervantes.

*Phi Sigma Prize in Chemistry.*—A gold medal is offered annually by Phi Sigma Sorority to that woman student who maintains the highest average standing in Chemistry 1 and 2, exclusive of second semester final examinations.

*Kappa Delta Scholarship Prize.*—The Kappa Delta Fraternity offers, annually, a silver loving cup to that girl of the Freshman Class, registered for a degree in one of the colleges of the Department of Arts and Sciences, who attains the highest average during her first year of not less than twenty-four semester hours of work.

*Alpha Delta Pi Prize.*—Alpha Pi Chapter of the Alpha Delta Pi Fraternity offers an annual prize of ten dollars to the student doing the best work in third-year French.

*Engineering Society Prize.*—The Engineering Society offers annually a gold medal, bearing the insignia of the Society, to the student presenting before the Society the best speech on a technical subject.

*Livingston Prize.*—The Livingston Co. offers a handbook on Mechanical Engineering to the undergraduate making the highest record in the study of Machine Design.

*Heaton Prizes in Architecture.*—For the session of 1924-25 Mr. Arthur B. Heaton has presented two sets of architectural books to be awarded as prizes to the two students having the highest grades in the courses on architectural design.

#### DAVIS PRIZE SPEAKING

The Davis Prize Speaking is held on the second Tuesday after the Easter holidays. The award of these three prizes is determined by a public speaking contest, in which the participants deliver original orations. Senior students wishing to enter the competition should report to Professor Croissant not later than five weeks before the contest, and submit their orations not later than three weeks before

the contest. The prizes are awarded by a committee consisting of three members, appointed by the Department of English.

#### PRIZE AWARDS, 1923-1924

Davis Prizes.—First Prize, Theobelle Stiles. Second Prize, Mary J. Vaccaro.

Daughters of the American Revolution Prize.—Maxine Rolle.

Thomas F. Walsh Prize.—Gladys Tapley.

E. K. Cutter Prize.—Florence S. Berryman.

Gardner G. Hubbard Prize.—May F. Clifford.

Dietzgen Prizes.—First Prize, Robert F. Brown. Second Prize, Sherod L. Earle.

Goddard Medal in French.—Janet Elliot.

Alexander Wilbourne Weddell Prize.—Lyle W. Ohlander.

Engineering Society Prize.—John R. Hobson.

Chemical Society Prize.—Raymond M. Hann.

Phi Mu Prize.—John R. DeWitt.

Dietzgen Prize.—George H. Riggs, Jr.

Pi Beta Phi Prize in Political Science.—Emilie Blick.

Muth Prize.—Albert R. Merz.

Sigma Kappa Prize.—Katherine Heinold.

Colonial Dames Prize.—Edwin C. Burt.

Genevieve Chatterton McCutchins Prizes.—First Prize, Harriet E. Garrels. Second Prize, Sonia Yosgour.

Alpha Delta Pi Prize.—Sophia Waldman.

Goddard Medal in Commerce.—Lester Dudley Johnson.

Sigma Tau Prize.—Claude F. Howison.

#### HIGH SCHOOL SCHOLARSHIPS 1923-1924

Kendall Scholarship.—Earl Dana Miller, Western High School.

First University.—Alice Williams, Central High School.

Second University.—Marie E. Kroell, Eastern High School.

Third University.—Dorothy Field, Central High School.

Fourth University.—Spencer Prentiss, Central High School.

Fifth University.—Eileen Phillips, Central High School.

Sixth University.—Louise Omwake, Western High School.

#### RESERVATION OF RIGHT TO CHANGE RULES

Registration in the Department of Arts and Sciences is for a period of one year at a time. Acceptance of a student does not in any way obligate the University to accept the student for any subsequent year. The right is reserved to drop any student whenever, in the interest of the student or the University, the faculty deem it advisable to do so, or to modify or change the requirements, rules and fees of the University.



## COLLEGE CHAPEL

Chapel services are held at 12:20 p. m., Monday, Wednesday and Friday, throughout the academic year.

The Deans of the Colleges will confer with students as they may desire on questions concerning their welfare and will cooperate with them in all ways to make the college life one of personal helpfulness.

## FEES

1. Annual registration fee .....	\$2.00
2. Tuition fee for each semester-hour credit of courses leading to all degrees except Ph. D. ....	7.00
A maximum fee of \$210 is charged for courses aggregating not more than eighteen hours a week.	
Special permission is required to register for more than eighteen hours during any semester, and students who obtain such permission will be charged additional fees for the hours in excess of eighteen.	
3. Tuition fee per annum for graduate courses leading to the degree of Ph. D. ....	210.00
4. Beaux Arts registration fee (annual) .....	7.50
For students taking one or more of the courses Architecture 5, 7, 9, 25, 26, 27, 47.	
5. Laboratory courses:	
Material fees:	
Architecture 2, 3, 5, 6, 7, 9, 25, 26, 27, 30, 33, 34, 35, 47; each .....	2.00
Botany 1, 2; each .....	2.50
Chemistry 2, 3, 7, 9, 28, 30; each .....	10.00
Chemistry 8, 31; each .....	5.00
Chemistry 20, 21, 25, 32; each .....	25.00
Electrical Engineering 4, 24; each .....	10.00
Experimental Psychology .....	2.00
Geology 1 .....	5.00
Mechanical Engineering 9, 10, 11; each .....	5.00
Physics 2, 4; each .....	10.00
Physics 28 .....	5.00
Preventive Medicine 51 .....	10.00
Zoology 1, 2 .....	5.00
Zoology 3 .....	7.50
Deposits to cover breakage of apparatus issued, the amount paid in excess of breakage to be returned:	
Chemistry 2, 3, 7, 8, 9, 28, 30 and 31; each .....	10.00
Chemistry 20, 32; each .....	15.00
Chemistry 21 and 25; each .....	20.00

6. Microscope rental in Botany 1 and Zoology 1, 2, 3, Chemistry 31, 35, 36.....	\$5.00
7. Reinstatement fee .....	2.00
8. Fee for certificates under the seal of the University.....	2.00
9. Fee for graduation.....	11.00
10. University fee .....	8.00

To insure them certain privileges and benefits, all students in the University are charged a University fee of \$4.00 per semester, by which they are entitled to the following:

1. Gymnasium privileges, including participation in intra-university athletic sports.

2. The University Hatchet, the official student newspaper issued weekly.

3. Medical and Hospital benefit as follows:

(a) Three visits by the University physician, office or home, in any one illness, exclusive of a specialist or surgical operation.

(b) Room, board, medicine, and undergraduate nursing in the University Hospital for not more than two weeks during the school term; necessity to be determined by the University surgeon.

(c) This benefit does not include: Treatment for illness or disability incurred previous to University term or prior to payment of fee.

4. Admission to all home athletic contests.

5. Admission to University debates.

6. Admission at special rates to other University events.

7. Use of the University tennis courts.

*The tuition fees stated in items 2 and 3 apply to students entering the Department of Arts and Sciences in 1925-26. Students who were in attendance during the session of 1924-25 will be charged tuition fees in accordance with the statements in the catalogue of 1924-25.*

Students are registered for the college year unless otherwise stated on the registration paper. All requests for withdrawals or for changes in courses of study must be made in writing to the Registrar, and a student is liable for all charges for the courses for which he has registered unless changes are approved by the Registrar.

All charges are by the scholastic year. Registration, library and other special fees and laboratory deposits are due in full in advance. Tuition and laboratory material fees may be paid in eight monthly installments in advance.

A student is not entitled to attend a class until his registration has been approved by the Registrar and payment has been made at the Treasurer's office of registration, library and other special fees and laboratory deposits. The first payment of tuition fees is due not later than October 1, and subsequent monthly payments are due on the



first of each following month. In case a student fails to make his monthly payments promptly he may be excluded from classes. Continued delay in making payments will be followed by dismissal of the student from the University.

Students will not be assigned desks in the Chemical Laboratory until they exhibit a receipt for the payment of the laboratory deposit, or present an authorization from the Dean.

Students unable to pay their fees monthly in advance will be required to furnish as security an acceptable personal or corporate bond for \$200, for which a charge of \$3.00 will be made.

All fees are payable at the office of the Treasurer of the University, 2033 G Street.

For catalogues, application blanks, and further information, address

THE REGISTRAR,

*The George Washington University,*

*2033 G Street, Washington, D. C.*

## COLUMBIAN COLLEGE

### ADMISSION

Candidates for admission to the Freshman Class in Columbian College must meet the general admission requirement (p. 25) of fifteen units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. *The fifteen units of the entrance requirement must include English, 3 units; Algebra, 1 unit; Plane Geometry, 1 unit; and one of the following languages: Latin, Greek, French, German, or Spanish, 2 units.* The remainder of the requirement is elective and may be satisfied in general by any accredited secondary school subjects.

No secondary school work is credited towards a college degree. For admission to advanced standing or as special students, see p. 32.

### REQUIREMENTS FOR DEGREES

The undergraduate degree offered by Columbian College is Bachelor of Arts. To be recommended for this degree, the student must satisfy the admission requirements, and must complete at least one hundred and twenty semester hours of undergraduate courses *at least twenty-four semester hours of which (or eighteen semester hours in the combined courses), and one year in residence, must be completed in the Department of Arts and Sciences.* Residence may be satisfied, in whole or in part, in the Summer School, by periods aggregating not less than twenty-four weeks. A semester hour of credit is one recitation or lecture a week or one laboratory period a week for one semester. No time limit for the course is prescribed and the degree is given when the total of prescribed and elective studies is completed and the residence requirement satisfied.

*Amount of Work.*—Fifteen hours a week constitutes a normal year's work. More than eighteen hours may not be taken, except under unusual circumstances, with special permission.

*Quality of Work.*—Two-thirds of the minimum number of semester hours required for graduation must be passed with a grade of "C" or higher.

*"With Distinction."*—One grade of special distinction is recognized in awarding the Bachelor's degree. It is shown by inserting the words "With Distinction" on the diploma after the name of the degree. It is awarded under the following conditions:

"That the names of all students who have received a mark of at least 'B' (90 per cent) on courses representing at least sixty (60) per cent of all hours taken by them be submitted by the Dean to the Faculty of the department in which the student shall be studying for a degree;



"That the Faculty, after separate consideration of each individual case, shall, if it see fit, recommend the awarding of the degree 'With Distinction' to students who shall have fulfilled the conditions above specified."

*Suggestions.*—Information about all studies is given in the alphabetical arrangement of subjects under "Courses of Instruction."

Most courses come three times a week, either on Monday, Wednesday and Friday, or on Tuesday, Thursday and Saturday. Most general culture subjects are given in two sections, one early in the day and one late. Students who have all their time for college work should take the early sections. The late sections are given in the last two periods, at 5:10 o'clock or at 6:05 o'clock, in order to afford to those employed in Government offices the opportunities of college study. Teachers in the public schools can usually take also the courses announced for 4 o'clock. When the college work is limited to the last two periods and the evening laboratory periods, the length of the course is generally six years.

### FOR THE DEGREE OF BACHELOR OF ARTS

To be recommended for the degree of Bachelor of Arts, the student must complete courses of study amounting to at least one hundred and twenty semester hours, and satisfy the specifications of a curriculum group.

There are four curriculum groups, each leading to the degree of Bachelor of Arts. Every candidate for the degree of Bachelor of Arts selects one of these groups, and thereafter he is not permitted to change to another group except on condition that he fulfill the requirements of the group to which he changes.

A foreign language that is begun in satisfaction of a curriculum requirement must be continued the following year.

Sophomores are free to elect any first or second section subject for which the work of the Freshman year has prepared them.

### THE CURRICULUM GROUPS

- |               |                  |
|---------------|------------------|
| I. General.   | III. Pre-Legal.  |
| II. Commerce. | IV. Pre-Medical. |

#### I—GENERAL

FRESHMAN YEAR		Semester Hours
English 1 or 2.....		6
Foreign Language.....		6
History or Political Science.....		6
Mathematics or Natural Science.....		6
Elective .....		6
Total .....		30

*Electives Recommended to Freshmen*

Chemistry 1 and 2.	History.
Botany 1 and 2.	Physics 3 and 4.
Foreign Languages.	Political Science 1 and 3 or 2 and 4.
Geology.	Zoology 1.
Mathematics.	

SOPHOMORE YEAR		<i>Semester Hours</i>
English 5 or 6; or 7 or 8.....		6
Foreign Language .....		6
History or other Social Science.....		6
Elective .....		12
		—
Total .....		30

## JUNIOR AND SENIOR YEARS

The work of the Junior and Senior years is elective, subject to the following restrictions:

1. Before graduation a major of not less than twenty-four semester hours must be completed in an approved subject, usually one of the following:

Ancient Language.	Mathematics.
Biological Science.	Modern Language.
Economics and Commerce.	Philosophy and Psychology.
English.	Physical Science.
History.	Political Science.

The candidate's choice of studies comprising the major shall be subject to the approval of the major department. Courses of an elementary or introductory character shall not be counted as satisfying the twenty-four-hour requirement for a major unless specifically approved by the major department. Students are required to select and file with the Registrar a choice of major subject at the beginning of the Junior year.

2. Not less than thirty semester hours of work shall consist of second or third section courses.

## II—COMMERCE

(*Foreign and Domestic*)

FRESHMAN YEAR		<i>Semester Hours</i>
English 1 or 2.....		6
Modern Language .....		6
European History .....		6
Political Science 1 and 3 or 2 and 4.....		6
Elective .....		6
		—
Total .....		30



## SOPHOMORE YEAR

	<i>Semester Hours</i>
Economics 1 or 2.....	6
Modern Language .....	6
American History .....	6
Elective .....	12
Total .....	30

## JUNIOR AND SENIOR YEARS

The work of the Junior and Senior years is elective, except that a major of not less than twenty-four semester hours must be chosen from courses pertaining to foreign and domestic commerce. Other regulations are the same as in Group I.

*Domestic Commerce.*—Students majoring in Domestic Commerce are advised to take Industrial and Commercial Geography. Their attention is also directed, not only to the various courses, such as Commercial and Maritime Law, Railway Transportation and Ocean Transportation, listed in the catalogue under the heading "Commerce," but also to courses described under other headings, such as Money and Banking, Public Finance, Corporation Finance, Accounting, Statistics, and other courses in Economics, the various courses in Political Science and in History, Applied Psychology, and Industrial Management.

*Foreign Commerce.*—Students majoring in Foreign Commerce are advised to take Industrial and Commercial Geography, Foreign Trade, and International Economic Relations. Their attention is also directed to the courses in Commercial and Maritime Law, and Ocean Transportation, and to various courses listed under other headings, such as International Law, International Relations, Governments and Politics of the Far East, Governments and Politics of Latin-America, and courses in Economics, History, and Modern Languages.

## III—PRE-LEGAL

## FRESHMAN YEAR

	<i>Semester Hours</i>
English 1 or 2.....	6
Mathematics or Natural Science.....	6
History .....	6
Political Science 1 and 3 or 2 and 4.....	6
Modern Language .....	6
	—
	30

SOPHOMORE YEAR		<i>Semester Hours</i>
American or English History.....	6	6
Economics 1 or 2.....	6	6
Logic and Ethics.....	6	6
Modern Language .....	6	6
Elective .....	6	6
Total .....	30	30

The work of the Junior and Senior years is elective, subject to the same restrictions as those of Group I.

IV—PRE-MEDICAL		
FRESHMAN YEAR		<i>Semester Hours</i>
Chemistry 1 and 2.....	10	10
Zoology 3 .....	8	8
English 1 or 2.....	6	6
Modern Language .....	6	6
Total .....	30	30

SOPHOMORE YEAR		
Physics 3 and 4.....	10	10
Chemistry 8 .....	6	6
Modern Language .....	6	6
Psychology .....	6	6
Elective .....	6	6
Total .....	34	34

#### JUNIOR AND SENIOR YEARS

The work of the Junior and Senior years is elective, subject to the same restrictions as those of Group I.

#### COMBINED SIX-YEAR COURSE FOR THE DEGREES OF BACHELOR OF ARTS AND BACHELOR OF LAWS

Professional courses in Law will be credited towards the degree of Bachelor of Arts to the extent of thirty semester hours. On the completion of ninety semester hours of work in college, *at least eighteen semester hours of which must be taken in the Department of Arts and Sciences*, including all of the required subjects in some one of the curriculum groups, and of the first year of the regular course in the Law School, the student will receive the degree of Bachelor of Arts. This



combined course contemplates three years of college study and three years in the Law School. The effect is to shorten the period of study for the two degrees one year.

### COMBINED SEVEN-YEAR COURSE FOR THE DEGREES OF BACHELOR OF ARTS AND DOCTOR OF MEDICINE

Professional courses in Medicine will be credited towards the degree of Bachelor of Arts to the extent of thirty semester hours. On the completion of ninety semester hours of credit in college, *at least eighteen semester hours of which must be taken in the Department of Arts and Sciences*, including all of the required subjects in some one of the curriculum groups, preferably Group IV, and on the completion of the first year of the regular course in the Medical School, the student will receive the degree of Bachelor of Arts. This combined course contemplates three years of college study and four years in the Medical School. The effect is to shorten the period of study for the two degrees one year.

### SPECIAL COURSE FOR ADMISSION TO THE MEDICAL SCHOOL

FIRST YEAR		Semester Hours
Chemistry 1 and 2.....		10
English 1 or 2.....		6
Zoology 3.....		8
Electives (preferably French or German).....		6
Total semester hours.....		30
SECOND YEAR		
Physics 3 and 4.....		10
Chemistry 8.....		6
Electives other than Natural Science.....		14
Total semester hours.....		30

The Council on Medical Education of the American Association states: "Of the sixty semester hours required as the measurement of two years' work, at least eighteen, including the six semester hours in English, should be in subjects other than the physical, chemical, or biologic science."

### PUBLIC SERVICE COURSES

These courses are designed to impart general culture and a broad grasp of public questions, and thus to provide a training that will prove of value in commercial life, the practice of law, or public service. The work prescribed is broader than the requirements for en-

trance into the specialized government services, so that the student who completes with credit the appropriate courses has a training that will fit him to rise to the higher position in the service to which he may be appointed.

### FOREIGN SERVICE

Regular students who are preparing for government foreign service should register for the General Curriculum Group or for the Commerce Group (Domestic or Foreign) in case of undergraduate studies, or, if graduate students, should major in the appropriate department; and they should elect the subjects indicated by the government regulations concerning entrance into the various branches of the government foreign service. A number of government departments and commissions send experts abroad; the principal ones of these are the Department of State and the Department of Commerce.

#### FOREIGN SERVICE—DEPARTMENT OF STATE

An act of Congress of May 24, 1924, provides for the reorganization of the Foreign Service, and consolidates the Consular and Diplomatic services so far as status of personnel and requirements for entrance are concerned. A bulletin entitled "American Foreign Service" reads, in part, as follows:

"Scope of Examination: The examination will be in two parts, one written and the other oral, each part counting equally. The written examination will include the subjects prescribed by the President, to wit: Modern languages (French, Spanish, or German is required, and a candidate may offer, in the oral test, in addition to one of these any languages with which he may be familiar); elements of international, commercial, and maritime law; political and commercial geography; the natural, industrial, and commercial resources and commerce of the United States with especial relation to the possibilities of trade expansion and protection; American history, government, and institutions; the history since 1850 of Europe, Latin America, and the Far East, with particular attention to political and economic tendencies; and the elements of political economy. Candidates will be examined in arithmetic as used in commercial statistics, tariff calculations, exchange and simple accounting, and they will be rated in English, composition, grammar, punctuation, spelling, and penmanship as shown by their replies to questions in the written examination.

"The oral examination will be designed to ascertain the physical, mental, and temperamental qualifications of candidates for the proper performance of the duties of the Foreign Service; their character, ability, address, judgment, and fitness, general education and culture, and contemporary information, experience and business ability."



## FOREIGN SERVICE—DEPARTMENT OF COMMERCE

A bulletin entitled "Appointments to Positions at Home and Abroad in the Bureau of Foreign and Domestic Commerce," with reference to "Qualification Standards," reads, in part, as follows:

"Some of the requirements may be enumerated as follows:

"(f) Knowledge of the fundamental principles as well as the practical routine and the chief problems of international trade.

"(g) General knowledge of the history, institutions, and present economic conditions of the country in which the assignment is made.

"(h) Thorough understanding of the principles of political economy and their application to domestic and foreign commerce.

"(i) A broad knowledge of the resources of the United States and familiarity with the industrial development of the country in its relation to the export trade.

"(j) Some knowledge of international law, diplomatic procedure, and the methods and regulations of government departments and bureaus is desirable."

## COLLEGE OF ENGINEERING

### ADMISSION

Candidates for admission to the Freshman Class in the Civil Engineering, Electrical Engineering, Mechanical Engineering, Chemical Engineering and Physics Courses are required to present fifteen units for admission, distributed as follows:

	<i>Units</i>
English .....	3
Foreign Language (preferably French, German or Spanish) .....	2
Plane and Solid Geometry.....	1½
Elementary and Advanced Algebra.....	2
Plane Trigonometry .....	½
Chemistry .....	1
Physics .....	1
History .....	1
Electives .....	3
Total .....	15

Candidates for admission to the Freshman Class in the Chemistry Course are required to present fifteen units for admission, distributed as follows:

	<i>Units</i>
English .....	3
Foreign Language (preferably French, German or Spanish) .....	2
Plane Geometry .....	1
Elementary and Intermediate Algebra.....	1½
Chemistry .....	1
History .....	1
Electives .....	5½
Total .....	15

Candidates for admission to the Freshman Class in the Architectural Course are required to present fifteen units for admission, distributed as follows:

	<i>Units</i>
English .....	3
Foreign Language (preferably French)*.....	2

\* NOTE.—Students who do not present French for entrance must complete two (2) years of this language at the University instead of the one year required of those students who do present French for entrance.

For detailed description of the requirements in each preparatory subject, see page 26.

For admission to advanced standing or as a special student, see page 32.



	<i>Units</i>
History .....	1
Chemistry .....	1
Plane and Solid Geometry.....	1½
Elementary and Advanced Algebra.....	2
Plane Trigonometry .....	½
Electives .....	4
Total .....	15

### COURSES FOR A DEGREE

Eight courses are offered:

- I. CIVIL ENGINEERING.
- II. ELECTRICAL ENGINEERING.
- III. MECHANICAL ENGINEERING.
- IV. CHEMICAL ENGINEERING.
- V. CHEMISTRY.
- VI. ARCHITECTURE.
- VII. PHYSICS.
- VIII. ADMINISTRATIVE ENGINEERING.

These courses occupy four years each, and lead to the degree of Bachelor of Science in Civil Engineering, in Electrical Engineering, in Mechanical Engineering, in Chemical Engineering, in Chemistry, in Physics, in Administrative Engineering, and Bachelor of Architecture, respectively. Graduate courses of one year under the Faculty of Graduate Studies of the George Washington University are open to those who receive the appropriate undergraduate degrees, and lead to the degrees of Master of Science in Engineering and Master of Architecture.

### PART-TIME STUDENTS

The class hours are so arranged that persons who can give only part time to college work may complete a full engineering course and obtain a degree. Such students usually take six or seven years to complete the course. Classes in all the general studies of the engineering courses and in many of the technical subjects are regularly scheduled in the two class periods from 5:10 o'clock to 6:55; and other technical courses are given in alternate years in these periods. The drawing rooms and laboratories are open from 9 o'clock in the morning until half past 10 at night.

To be recommended for a degree in the College of Engineering students must satisfy all entrance requirements and must complete at

least one hundred and forty semester hours of undergraduate work of which twenty-four semester hours or more must be completed at George Washington University. A semester hour of credit is one recitation or lecture a week or one laboratory or drawing period a week for one semester.

### ATTENDANCE AND SCHOLARSHIP

The normal schedule for students in the College of Engineering is seventeen or eighteen periods per week. Only in exceptional circumstances will students be permitted to take more than this amount of work.

Two-thirds of the minimum number of semester hours required for graduation must be passed with a grade of "C" or over.

*"Graduation with Distinction."* One grade of special distinction is recognized in awarding the Bachelor's degree. It is shown by inserting the words "With Distinction" on the diploma after the name of the degree. It is awarded under the following conditions:

"That the names of all students who have received a mark of at least 'B,' ninety (90) per cent, on courses representing at least sixty (60) per cent of all hours taken by them be submitted by the Dean to the Faculty of the College in which the student shall be studying for a degree;

"That the Faculty, after separate consideration of each individual case, shall, if it sees fit, recommend the awarding of the degree 'With Distinction' to students who shall have fulfilled the conditions above specified."

Regular attendance at all classes is required of all students. Repeated absences in any course will be reported to the Registrar who will notify the student. Unless satisfactory explanation of absences is given, the student will be dropped from the course in which the absences occur.

For further regulations in regard to scholarship requirements, see pages 25, 44.

### REQUIREMENTS FOR DEGREES

The arrangement of the topics in each of the regular courses for degree is shown below. The numbers following the names of subjects refer to the courses as given in the list of Department Subjects on page 74, to which reference should be made for more complete description.



CIVIL ENGINEERING COURSE LEADING TO THE DEGREE OF  
BACHELOR OF SCIENCE IN CIVIL ENGINEERING

FRESHMAN YEAR		Semester-Hour Credits
Chemistry 1, 7 .....	General Chemistry and Qualitative Analysis.	10
English 1 or 2 .....	Rhetoric.	6
French, German or Spanish .....		6
Mechanical Drawing 1, 8 .....	Mechanical Drawing; Descriptive Geometry.	6
Mathematics 9 or 12 .....	Trigonometry; Analytic Geometry.	6
SOPHOMORE YEAR		
Civil Engineering 1, 3, 4, 20 .....	Surveying; Highway Engineering; Materials of Construction; Higher Surveying.	14
Commerce 33 .....	Commercial Law.	4
Mathematics 18 or 19 .....	Calculus.	6
Physics 1, 2 .....	General Physics; Laboratory Physics.	10
Electives .....		2
JUNIOR YEAR		
Applied Mathematics 20, 21, 22 .....	Mechanics; Hydraulics, Mechanics of Materials.	12
Civil Engineering 2, 22, 29 .....	Railroad Engineering; Theory of Structures; Practical Astronomy.	14
Electrical Engineering 1 .....	Engineering Electricity.	4
Geology 21 (or Geology 2) .....	Engineering Geology.	4
Mechanical Engineering 9 .....	Engineering Laboratory.	2
SENIOR YEAR		
Architecture 43 .....	Specification Writing.	2
Civil Engineering 21, 23, 24, 27 .....	Hydraulic Engineering; Theory of Structures; Sanitary Engineering; Reinforced Concrete.	26
Mechanical Engineering 33 .....	Engineering Economics.	2
Electives .....		4

# ELECTRICAL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

## FRESHMAN YEAR

Identical with Civil Engineering Course.

## SOPHOMORE YEAR

*Semester-Hour  
Credits*

Civil Engineering 4.....	4
Materials of Construction.	
Commerce 33 .....	4
Commercial Law.	
Mathematics 18 or 19.....	6
Calculus.	
Mechanical Drawing 2.....	4
Machine Drawing.	
Mechanical Engineering 1.....	4
Mechanism.	
Civil Engineering 5.....	2
Elementary Surveying.	
Physics 1, 2 .....	10
General Physics; Laboratory Physics.	
Electives .....	2

## JUNIOR YEAR

Applied Mathematics 20, 21, 22.....	12
Mechanics; Hydraulics; Mechanics of Materials.	
Mathematics 32 .....	3
Different Equations.	
Electrical Engineering 2, 4.....	10
Direct Current Theory and Machinery; Laboratory.	
Mechanical Engineering 9, 20.....	8
Laboratory; Thermodynamics.	
Mechanical Engineering 33.....	2
Engineering Economics.	

## SENIOR YEAR

Architecture 43 .....	2
Specification Writing.	
Electrical Engineering 21, 22, 23, 24, 26, 27, 28, 29, 30....	27
Alternating Currents; Electrical Distribution; Elements of Transmission; Electrical Engineering Laboratory; Hydro-Electric Stations; Electric Railways; Telephones; Electrical Illumination; Design.	
Mechanical Engineering 10, 30.....	4
Laboratory; Internal Combustion Engines.	
Electives .....	2



# MECHANICAL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

## FRESHMAN YEAR

Identical with the Civil Engineering Course.

## SOPHOMORE YEAR

	<i>Semester-Hour Credits</i>
Civil Engineering 4.....	4
Materials of Construction.	
Commerce 33 .....	4
Commercial Law.	
Mathematics 18 or 19.....	6
Calculus.	
Mechanical Drawing 2.....	4
Machine Drawing.	
Mechanical Engineering 1.....	4
Mechanism.	
Physics 1, 2 .....	10
General Physics; Laboratory Physics.	
Electives .....	4

## JUNIOR YEAR

Applied Mathematics 20, 21, 22.....	12
Mechanics; Hydraulics; Mechanics of Materials.	
Civil Engineering 22 .....	3
Structures.	
Mechanical Engineering 9, 20, 23, 24, 32, 33.....	16
Engineering Laboratory; Thermodynamics; Hy- draulic Machinery; Methods of Manufacture; Engineering Administration; Engineering Eco- nomics.	
Electrical Engineering 1.....	4
Engineering Electricity.	

## SENIOR YEAR

Architecture 43 .....	2
Specification Writing.	
Civil Engineering 5.....	2
Elementary Surveying.	
Electrical Engineering 5.....	4
Electrical Laboratory.	
Mechanical Engineering 10, 11, 21, 25, 27, 29, 30, 31, 34	21
Engineering Laboratory; Boilers; Machine Design; Power Plants; Heating and Ventilating; Internal Combustion Engines; Steam Turbines; Re- frigeration.	
Electives .....	6

	<i>Junior Year—cont'd</i>	<i>Semester-Hour Credits</i>
Geology 1 .....	Mineralogy.	4
Mathematics 18 or 19.....	Calculus.	6
Electives .....		4

## SENIOR YEAR

Chemistry 24, 25, 26, 27, 29.....	Organic Chemistry; Organic Laboratory; Physical Chemistry; Stereo-Chemistry; Industrial Chemistry.	26
Geology 2 .....	General Geology.	4
Electives .....		6

## COURSE IN ARCHITECTURE LEADING TO THE DEGREE OF BACHELOR OF ARCHITECTURE

## FRESHMAN YEAR

Architecture 1, 2, 3, 4, 5, 8, 10.....	Mechanical Drawing; Freehand Drawing; Elements of Architecture; Shades and Shadows; Elementary Design; History of Architecture; Principles of Composition.	16
Mechanical Drawing 8.....	Descriptive Geometry.	2
Mathematics 15 .....	Analytic Geometry and Calculus.	6
English 1 or 2.....	Rhetoric.	6
French 3 or 4.....		6

## SOPHOMORE YEAR

Architecture 6, 7, 9, 11, 12, 20, 21, 22, 39, 41.....	Antique; Architectural Design; Principles of Planning; Perspective and Stereotomy; History of Architecture; Sanitation; Building Construction; Heating and Ventilating.	26
Civil Engineering 4.....	Materials of Construction.	4
Physics 3 .....	General Physics.	6



JUNIOR YEAR		Semester-Hour Credits
Architecture 25, 26, 30, 33, 42, 48.....	Architectural Design; Life Class; Water Color; Office Practice.	21
Applied Mathematics 23.....	Statics and Mechanics of Materials.	6
Civil Engineering 28.....	Reinforced Concrete.	2
Economics 1 or 2.....	General Economics.	6

SENIOR YEAR		
Architecture 24, 27, 28, 29, 34, 35, 45, 46, 47.....	Pen and Ink; History of Art; Modern Architec- ture; Life Class; Modeling; Professional Re- lations; Architectural Humanities; Architectural Design.	33

### PHYSICAL SCIENCE COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN PHYSICS

FRESHMAN YEAR		
Chemistry 1, 7 .....	General Chemistry and Quantitative Analysis.	10
English 1 or 2.....	Rhetoric.	6
French, German or Spanish.....		6
Mathematics 9 or 12.....	Trigonometry and Analytic Geometry.	6
Mechanical Drawing 1, 8.....	Mechanical Drawing and Descriptive Geometry.	6

SOPHOMORE YEAR		
Chemistry 8 .....	Elementary Organic Chemistry.	6
French, German or Spanish .....		6
Mathematics 18 or 19.....	Calculus.	6
Mechanical Engineering 1.....	Mechanism.	4
Physics 1, 2 .....	General Physics and Laboratory Physics.	10
Electives* .....		4

JUNIOR YEAR		<i>Semester-Hour Credits</i>
Chemistry 26 .....	Physical Chemistry.	4
Economics 1 or 2.....	General Economics.	6
Physics 20 (or 23).....	Heat and Thermodynamics; Mechanics and Sound.	6
Physics 25 .....	Advanced Laboratory.	6
Electives* .....		14
SENIOR YEAR		
Mathematics 30 .....	Differential Equations.	4
Physics 23 (or 20) .....	Light, Electricity and Magnetism.	6
Physics 25 .....	Advanced Laboratory.	8
Electives* .....		16

#### COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN ADMINISTRATIVE ENGINEERING

(Students will not be permitted to register for this course until they have satisfactorily completed one year's work in the College of Engineering and have the approval of the Executive Committee of the College of Engineering.)

#### FRESHMAN YEAR

Identical with Civil Engineering Course.

#### SOPHOMORE YEAR

Commerce 33 .....	Commercial Law.	4
Economics 1 or 2.....	General Economics.	6
Mathematics 18 or 19.....	Calculus.	6
Mechanical Drawing 2.....	Machine Drawing.	4
Mechanical Engineering 1.....	Mechanism.	4
Physics 1, 2 .....	General Physics; Laboratory Physics.	10

\* It is advised that the electives include Physics 22 and 28, and that a major portion of the remainder of the electives be chosen from the following list: Applied Mathematics 20, 21, 22; Astronomy 1; Chemistry 30; Commerce 20, 33, 40, 45; Electrical Engineering 4, 5, 21, 24; Geology 2; Mechanical Engineering 20; Philosophy 1, 3.



JUNIOR YEAR		<i>Semester-Hour Credits</i>
Applied Mathematics 20, 22.....	Mechanics; Mechanics of Materials.	8
Civil Engineering 4.....	Materials of Construction.	4
Electrical Engineering 1.....	Engineering Electricity.	4
Mechanical Engineering 9, 20, 24, 32, 33.....	Testing Materials; Thermodynamics; Methods of Manufacture; Industrial Management; Engi- neering Economics.	14
Electives .....		6
SENIOR YEAR		
Economics 29, 43, 44, 45.....	Money and Banking; Combinations and Trusts; Labor Problems; Statistics.	13
Electrical Engineering 22, 23, 29.....	Electrical Distribution; Elements of Transmission; Electric Illumination.	6
Mechanical Engineering 10, 25, 27, 29.....	Mechanical Laboratory; Machine Design; Power Plant Problems; Heating and Ventilating.	11
Electives .....		6

### SPECIAL STUDENTS

All the courses of instruction are open to students of suitable age and attainments who wish, without reference to any degree, to pursue special studies. Candidates must show that they are familiar with the subjects preliminary to the studies which they wish to pursue.

### FEES

The annual tuition fee for a student taking a full-time course aggregating not more than eighteen hours a week throughout the year is two hundred and ten dollars. Part-time students pay in accordance with the amount of work taken, the fee being seven dollars for each semester-hour credit. For courses in the laboratories there are additional laboratory fees. Full statements in regard to the fees are given on page 41.

## TEACHERS COLLEGE

Teachers College provides a four years' college course, the first two years of which are devoted to a foundation of general culture courses, and the last two to professional courses and to specialization in the subjects which the student expects to teach. The schedule of courses is arranged so as to meet the convenience of both full-time and part-time students. By attending afternoon and Saturday classes, teachers in the schools of Washington and vicinity may complete all the requirements for a degree without giving up their positions.

### ADMISSION

Candidates for admission to the Freshman Class must meet the general admission requirements (p. 25) of fifteen units. *Three of these must be in English, two in Mathematics, and two in one of the following languages: Latin, Greek, French, German, or Spanish.* The remainder of the required fifteen units may be satisfied by any accredited secondary subjects.

All persons capable of satisfying the entrance requirements are admitted as regular students. Others may be admitted as *special students* to certain classes on the presentation of evidence that they are qualified to pursue the work to advantage.

### ADVANCED STANDING

Students transferring from normal schools, colleges, and other schools of similar rank will be admitted to such advanced standing as the courses they have pursued warrant. Graduates of normal schools with two-year courses resting upon graduation from an approved four-year high school are granted forty-eight semester hours of advanced standing. No college credit is given for secondary school work.

### REQUIREMENTS FOR GRADUATION

On the completion of courses of study amounting to at least 124 semester hours, the University confers the degree of Bachelor of Arts and a Bachelor's Diploma in Education. A minimum of twenty-four semester hours of work must be completed in residence. Summer School work may be counted on residence, but in no case may the periods of attendance aggregate less than twenty-four weeks.

*Amount of Work.*—Fifteen hours a week constitute a normal program of work. More than eighteen hours may not be taken except with special permission justified by unusual circumstances.



*Quality of Work.*—Two-thirds of the minimum number of semester hours required for graduation must be passed with the grade of "C" or higher. The following grades are given: A, 96-100; B, 90-95; C, 80-89; D, 70-79; E, conditioned; F, failure; and I, incomplete. A course that has been failed must be repeated in order to be credited. A "condition" may be removed by a reexamination within one year.

*"With Distinction."*—Graduation "With Distinction" is recommended by vote of the Faculty as follows: The names of all students who have received a mark of at least B (90) on courses representing at least sixty (60) per cent of the work completed by them are referred by the Dean to the Faculty who, after consideration of each case, designate those deemed most worthy of being awarded their degrees "With Distinction."

REQUIRED SUBJECTS	<i>Semester Hours</i>
Biological Science* .....	6
English .....	12
Foreign Language* .....	12
History* .....	12
Psychology .....	6
Philosophy .....	6
Principles of Education and Teaching.....	4
History of Education.....	3
Observation and Practice Teaching.....	4
Electives in Education.....	9

For the subjects marked with an asterisk (\*) electives may be substituted to the extent that approved secondary school work has been done in them. The foreign language requirement must fall in one language, while in history it is required that a survey of the world's history be obtained.

Before graduation a student must complete a minimum of twenty-four semester hours of work in a major field. The candidate's choice of studies comprising the major shall be subject to the approval of the major department. Courses of an elementary or introductory character may not be counted as satisfying the twenty-four-hour requirement for a major unless specifically approved by the major department. The major must be chosen by the beginning of the junior year. At least thirty semester hours of work must consist of second and third section courses.

### SUGGESTED PROGRAMS FOR THE FRESHMAN AND SOPHOMORE YEARS

FRESHMAN YEAR		<i>Semester Hours</i>
Botany or Zoology .....		6
English 1 or 2 .....		6
Foreign Language .....		6
History .....		6
Elective .....		6
		<hr/>
		30
SOPHOMORE YEAR		
English 5 or 7 .....		6
Foreign Language .....		6
History .....		6
Psychology .....		6
Elective .....		6
		<hr/>
		30

### NORMAL SCHOOL GRADUATES

Graduates of approved normal schools may satisfy the requirements in Education by the completion of twelve semester hours of work, exclusive of the four semester hours of credit granted for successful teaching experience. The requirements in the general subjects may be waived to the extent that corresponding courses have been completed in the normal school. The unsatisfied requirements in these fields should be determined in consultation with the Dean.

### EXPERIMENTAL WORK

Teachers College maintains a psychological laboratory for introductory experimental work. The equipment is specially adapted to the investigation of problems of interest to students of education.

The school system of a large city, moreover, offers abundant opportunity for observation and for the study of methods and other practical educational problems.

### TEACHERS' APPOINTMENT BUREAU

Teachers College maintains a Teachers' Appointment Bureau for the purpose of aiding students who are studying, or have studied, in the University, to secure positions as teachers. This service is performed gratuitously, in the interest both of students and of superintendents of schools and boards of education wishing to employ teachers.



# SCHEDULE OF CLASSES IN COLUMBIAN COLLEGE AND TEACHERS COLLEGE

	<i>Course</i>	<i>Monday, Wednesday, Friday</i>	<i>Instructor</i>
9.15	Economics 1A	General Economics	Benner
	Education 20	Principles of Teaching	Ruediger
	English 7	Types of Literature	Croissant
	English 45	Advanced Composition	Bross
	French 1A	First Year French	Protzman
	History 7, 8	European History	Ragatz
	History 36	U. S. Diplomatic History	Bemis
	History 37	Renaissance	Kayser
	Mathematics 3A	Alg., Geom., Trig.	Hodgkins, H. G.
	Mathematics 5	Alg., Trig.	Borden
	Pol. Sci. 1, 3A	U. S. Govt., State Govts.	Hill
	Spanish 1A	First Year Spanish	
10.15	Economics 1B	General Economics	Sutton
	Education 22, 24	History of Education	Powers
	English 24	American Literature	Croissant
	English 39, 40	Wordsworth	Wilbur
	French 3A	Second Year French	
	German 1A	First Year German	Gropp
	German 20	Literature	Schoenfeld
	Greek A	Elementary Greek	Smith, C. S.
	History 9	American History	Bemis
	Mathematics 9A	Trig., Analytic Geom.	Erwin
	Mathematics 9B	Trig., Analytic Geom.	Borden
	Philosophy 25, 27	Logic, Ethics	Ruediger
	Pol. Sci. 1, 3B	U. S. Govt., State Govts.	Hill
	Spanish 1C	First Year Spanish	
	Spanish 3A	Second Year Spanish	
11.15	Spanish 3C	Second Year Spanish	
	Botany 21, 22A	Evolution	Griggs
	Economics 20	Sociology	Kern
	Economics 29, 30	Banking, Finance	Sutton
	English 46	Journalism	Bross
	French 3C	Second Year French	
	French 3D	Second Year French	
	German 3	Second Year German	Gropp
	Greek 2	Xenophon, etc.	Smith
	History 45	Colonization	Ragatz
	Mathematics 3B	Alg., Geom., Trig.	Hodgkins, H. G.
	Physics 1A	General Physics	Cheney
	Pol. Sci. 1, 3C	U. S. Govt., State Govts.	West
	Pol. Sci. 23, 36	U. S. City Govt., Latin-Amer. Tillema	

	Course	Monday, Wednesday, Friday	Instructor
	Psychology 11.....	Psychology.....	Moss
1.45	Commerce 24A.....	Commercial Geography.....	Donaldson
	Civil Engineering 1A.....	Surveying.....	French
	German 7.....	Third Year German.....	Schoenfeld
	Home Economics 1.....	Domestic Science.....	
	Latin 1.....	Livy, etc.....	Smith
	Physics 3A.....	Introductory Physics.....	Brown
2.45	Commerce 38, 40.....	Transportation.....	Donaldson
	French 28.....	Liter. from 1850.....	Henning
	Greek 1.....	Herodotus, etc.....	Smith
	History 34.....	Medieval History.....	Swisher
	Spanish 5.....	Third Year Spanish.....	Doyle
4.00	English 38.....	Romantic Movement.....	Smith, A. L.
	French 5.....	19th-17th Century.....	Henning
	History 3, 4.....	European History.....	Swisher
	Latin 2.....	Cicero, etc.....	Smith
	Pol. Sci. 21, 22.....	Comp. European Govts.....	Tillema
	Spanish 22.....	Literature.....	Doyle
5.10	Botany 1, 2D.....	General Botany.....	Bowman
	Botany 21, 22B.....	Evolution.....	Griggs
	Commerce 44.....	Int. Econ. Relations.....	Donaldson
	Economics 24, 25.....	Econ. Theory and Problems.....	Kern
	Economics 31, 33.....	Banking; Federal Reserve.....	Sutton
	Education 25.....	Secondary Education.....	Powers
	English 2.....	Rhetoric.....	Wilbur
	English 30.....	Renaissance.....	Bolwell
	English 47.....	Journalism.....	Chace
	French 2A.....	First Year French.....	
	French 7A.....	Conversation.....	Beneteau
	French 21.....	Literature.....	Henning
	German 2A.....	First Year German.....	Gropp
	German 22.....	Literature.....	Schoenfeld
	History 10.....	American History.....	Bemis
	History 25.....	English History.....	Churchill
	Home Economics 2.....	Domestic Science.....	
	Italian 2.....	First Year Course.....	Lamore
	Library Science 2.....	Classification.....	Schmidt
	Mathematics 4A.....	Algebra, Trig.....	Borden
	Mathematics 6A.....	Algebra, Geom., Trig.....	Wallis
	Mathematics 12A.....	Trig., Anal. Geom.....	Hodgkins, H.G.
	Mathematics 18A.....	Calculus.....	Hodgkins, H. L.
	Philosophy 22.....	Principles of Philosophy.....	Richardson
	Philosophy 26, 28.....	Logic, Ethics.....	Ruediger
	Physics 52.....	Mathematical Physics.....	Cheney



# SCHEDULE OF CLASSES

69

<i>Course</i>	<i>Monday, Wednesday, Friday</i>	<i>Instructor</i>
Pol. Sci. 24.....	Constitutional Law, etc.....	West
Pol. Sci. 34, 35.....	Near East.....	Panaretoff
Psychology 12.....	Psychology.....	Moss
Psychology 40, 42.....	Social Psychology.....	Middleton
Spanish 2A.....	First Year Spanish.....	
Spanish 4A.....	Second Year Spanish.....	
Spanish 6.....	Third Year Spanish.....	Jones
Spanish 7A.....	Conversation.....	Vasquez
Zoology 1.....	Invertebrates.....	Bartsch
Zoology 3.....	Pre-Medical Course.....	Bartsch
Zoology 24, 25.....	Entomology.....	Shannon
6.05 Botany 20.....	Flowering Plants.....	Griggs
Civil Engineering 1B.....	Surveying.....	French
Commerce 24B.....	Commercial Geography.....	Donaldson
Economics 2.....	General Economics.....	Benner
Education 27, 28.....	School Administration.....	Powers
English 6.....	Literature.....	Bolwell
English 32.....	Shakespeare.....	Wilbur
French 2B.....	First Year French.....	
French 8.....	Conversation.....	Beneteau
German 4.....	Second Year German.....	Gropp
History 26.....	History of the West.....	Churchill
History 30.....	Amer. Constitutional Hist.....	McArthur
Library Science 1B.....	General Introduction.....	Schmidt
Mathematics 6B.....	Alg., Geom., Trig.....	Wallis
Mathematics 12B.....	Trig., Analytic Geometry.....	Hodgkins, H. G.
Mathematics 23.....	Foundations.....	Borden
Mathematics 54.....	Functions.....	Erwin
Philosophy 24.....	History of Philosophy.....	Richardson
Physics 3B.....	Introductory Physics.....	Brown
Physics 20.....	Mechanics, etc.....	Cheney
Pol. Sci. 2, 4A.....	U. S. Govt., State Govts.....	Tillema
Pol. Sci. 2, 4B.....	U. S. Govt., State Govts.....	West
Spanish 2B.....	First Year Spanish.....	
Spanish 8.....	Advanced Conversation.....	Vasquez
Zoology 2.....	Vertebrates.....	Bartsch
7.00 Chemistry 29.....	Industrial Chemistry.....	Brattain
<i>Course</i>	<i>Tuesday, Thursday, Saturday</i>	<i>Instructor</i>
9.15 Economics 35, 34.....	Corporation Finance, etc.....	Surton
English 5.....	Literature.....	Bolwell
French 1B.....	First Year French.....	Protzman
German 1B.....	First Year German.....	Gropp
History 5, 6.....	Ancient History.....	Kayser

## DEPARTMENT OF ARTS AND SCIENCES

Course	Tuesday, Thursday, Saturday	Instructor
History 44	French History	Ragatz
Mathematics 19	Calculus	Hodgkins, H. L.
Philosophy 21	Principles of Philosophy	Richardson
Spanish 1B	First Year Spanish	
10.15 Economics 1C	General Economics	Sutton
English 1	Rhetoric	Wilbur
English 31	Drama to 1642	Bolwell
French 3B	Second Year French	
History 42	English Constitutional	Churchill
Mathematics 24, 25	Theory of Equation	Erwin
Philosophy 23	History of Philosophy	Richardson
Pol. Sci. 25, 26	Political Parties; Theory	West
Spanish 3B	Second Year Spanish	
11.15 Chemistry 1A	General Chemistry	McNeil
English 9A	Composition	Smith, A. L.
History 28	English History	Churchill
Latin B	Cicero and Virgil	Smith
Library Science 1A	General Introduction	Schmidt
Pol. Sci. 1, 3D	U. S. Govt., State Govt.	West
Spanish 1D	First Year Course	
5.10 Chemistry 10	General Chemistry	McNeil
Economics 40, 41	Agri. Econ.; Price Movements	Benner
Economics 45	Statistics	Phillips
English 8	Types of Literature	Croissant
English 27	Anglo-Saxon	Bolwell
Ethnology 20	General Introduction	Michelson
French 2C	First Year French	
French 4A	Second Year French	
French 7B	Conversation	Beneteau
German 2B	First Year German	Gropp
German 8	Third Year German	Schoenfeld
History 11, 12	European History	Ragatz
History 41	Contemporary History	Swisher
Mathematics 15	Calculus, Anal. Geom.	Borden
Mathematics 18B	Calculus	Erwin
Physics 1B	General Physics	Cheney
Physics 53, 54	X-rays, Atomic Structure	Hunt
Pol. Sci. 2, 4C	U. S. Govt., State Govts.	Tillema
Pol. Sci. 27, 28	International Relations	Hill
Psychology 14	Psychology	Moss
Spanish 2C	First Year Spanish	
Spanish 4B	Second Year Spanish	
Spanish 7B	Conversation	Vasquez
6.05 Chemistry 1B	General Chemistry	McNeil



# SCHEDULE OF CLASSES

71

Course	Tuesday, Thursday, Saturday	Instructor
Chemistry 34.....	Chem. Engineering.....	Brattain
English 9B.....	Composition.....	Bross
French 2D.....	First Year French.....	
French 4B.....	Second Year French.....	
French 4C.....	Second Year French.....	
French 6.....	17th-19th Century Liter.....	Protzman
German 6.....	Second Year German.....	Schmidt
English 26.....	History of the Language.....	Anderson
History 31, 32.....	Modern European History.....	Swisher
Mathematics 4B.....	Alg. Trig.....	Borden
Mathematics 12C.....	Trig., Analytic Geom.....	Hodgkins, H. G.
Mathematics 32.....	Differential Equations.....	Erwin
Pol. Sci. 2, 4D.....	U. S. Govt., State Govts.....	Tillema
Pol. Sci. 29, 30.....	International Law.....	Hill
Psychology 32.....	Mental Tests.....	Moss
Spanish 2D.....	First Year Spanish.....	
Spanish 28.....	Spanish-American Lit.....	Jones

## Tuesday and Thursday

9.15	Education 33.....	Women and Education.....	Rose
	Home Econ. 11, 13.....	Household Mgt., Foods.....	
10.15	Latin 21.....	Quintilian.....	Smith
	Physics 2, 4.....	Laboratory Physics.....	Brown
11.15	Astronomy 1.....	Popular Astronomy.....	Erwin
	Commerce 33A.....	Commercial Law.....	Alden
1.00	Botany 1, 2C.....	General Botany.....	Griggs
1.45	Chemistry 8A.....	Organic Chemistry.....	McNeil
1.45	Chemistry 2.....	Laboratory Practice.....	
to	Chemistry 3.....	Organic Chemistry.....	
4.45	Chemistry 7.....	Qualitative Analysis.....	
1.45	Greek 20.....	Plato.....	Smith
2.00	to		
5.00	Botany 23A.....	Plant Anatomy.....	Bowman
2.45	Physics 2, 4.....	Laboratory Physics.....	Brown
4.00	Archaeology 23.....	Renaissance Art.....	Bibb
	Classical Lit. 22.....	Latin.....	Smith
	English 42.....	Literature since 1890.....	Baker
	Pol. Sci. 54.....	Seminar.....	Hill
5.00	to		
8.00	Botany 23B.....	Plant Anatomy.....	Bowman
5.10	Botany 51.....	Seminar.....	Griggs
	Economics 22, 23.....	Sociology.....	Kern

<i>Course</i>	<i>Tuesday and Thursday</i>	<i>Instructor</i>
Education 26.....	Educational Tendencies.....	Diffenbaugh
Education 52.....	Seminar.....	Powers
Psychology 36.....	Mental Hygiene.....	Richmond
6.05 Architecture 20.....	History of Architecture.....	Bibb
Commerce 33B.....	Commercial Law.....	Alden
Economics 27, 26.....	Banking, Finance.....	Kern
Economics 37, 38.....	Social Service.....	Lundberg
Education 50.....	Seminar.....	Ruediger
Psychology 54.....	Personnel Management.....	Telford
7.30 Economics 47.....	Advanced Statistics.....	Phillips
7.00 Chemistry 2.....	Laboratory Practice.....	
to Chemistry 3.....	Organic Chemistry.....	
10.00 Chemistry 7.....	Qualitative Analysis.....	
7.00 Chemistry 30.....	Physical Chemistry.....	Hill
Chemistry 31.....	Chemical Microscopy.....	Hill
Chemistry 37.....	Colorimetric Analysis.....	Hil
<b>Thursday and Saturday</b>		
6.05 Chemistry 24.....	Organic Chemistry.....	
<b>Monday and Wednesday</b>		
9.15 Botany 1, 2A.....	General Botany.....	Griggs
10.15 Botany 1, 2B.....	General Botany.....	Griggs
1.00 Chemistry 9.....	Quantitative Analysis.....	
2.45 Archaeology 23.....	Mediaeval Art.....	Bibb
5.10 Ethnology 51.....	North America.....	Michelson
6.05 Chemistry 26.....	Physical Chemistry.....	McNeil
7.00 Chemistry 8B.....	Organic Chemistry.....	McNeil
Chemistry 9.....	Quantitative Analysis.....	
<b>Monday and Thursday</b>		
7.00 Chemistry 30.....	Physical Chemistry.....	Hill
<b>Monday and Friday</b>		
9.15 Economics 43, 44.....	Trusts, Labor Problems.....	Kern
4.20 Geology 12.....	Engineering Geology.....	Resser
5.10 Geology 1.....	Mineralogy.....	Bassler
Geology 20.....	Economic Geology.....	Bassler
Geology 24.....	Geography.....	Resser
6.05 Geology 2.....	General Geology.....	Bassler
<b>Wednesday and Friday</b>		
4.00 History 39.....	History and Historians.....	Churchill
5.10 Architecture 28.....	Painting and Sculpture.....	Bibb
Chemistry 23.....	Organic Chemistry.....	
Physics 28.....	Radio Principles.....	Brown
6.05 Architecture 8.....	History of Architecture.....	Bibb



# SCHEDULE OF CLASSES

73

<i>Instructor</i>	<i>Tuesday</i>	<i>Course</i>
7.00 Chemistry 27.....	Stereo-Chemistry.....	Hill
7.30 Psychology 50.....	Seminar.....	Moss
<b>Wednesday</b>		
5.10 Geology 6.....	Human Geography.....	Resser
6.05 Geology 3.....	Geography.....	Resser
<b>Thursday</b>		
2.45 Latin 22.....	Latin Composition.....	Smith
7.00 Chemistry 35.....	Microchemical Analysis.....	Hill
Chemistry 36.....	Applied Microscopy.....	Hill
<b>Friday</b>		
6.05 Zoology 23.....	Ornithology.....	Bartsch
<b>Saturday</b>		
9.15 } Education 21.....	Principles.....	Ruediger
to }		
11.15 } Education 29.....	Child Psychology.....	LaSalle
11.15 History 33.....	Current History.....	Swisher
<b>Monday, Tuesday, Wednesday</b>		
7.30 Physics 2, 4.....	Laboratory.....	Brown

## COURSES OF INSTRUCTION PROVIDED BY THE DEPARTMENT OF ARTS AND SCIENCES

Courses of instruction are divided into three sections.

First section courses may be taken by third or fourth year students only by permission of the Dean and the professor in charge of the subject. They may sometimes be recommended to graduate students, but are not counted toward the higher degrees. The courses in the second section are in general for advanced students, candidates for the Bachelor's degree; if they have not already counted for a Bachelor's degree, they may, with additional work, count for a higher degree, provided that the permission of the Dean of the School of Graduate Studies is obtained at the beginning of the course. They may be taken by students in the second year of their course only by special permission of the professor in charge. The courses in the third section are in general for graduate students only, candidates for one or other of the higher degrees. They are open to undergraduates only on the recommendation of the instructors, and no undergraduate student shall take in one year more than one course in the third section. When an announced course has not been applied for by at least three students, candidates for a degree, the instructor may withdraw the course. First section courses are numbered 1 to 19, inclusive; second section courses, 20 to 49, inclusive; third section courses, 50 and upwards. The number of hours, unless otherwise specified, indicate hours per week throughout the year. The unit of credit is one hour of recitation or lecture work per week for one semester; laboratory hours in chemistry and drawing count one-third unit each, in other subjects one-half unit each. Laboratories and drawing rooms will be open from 9.15 a. m. till 10 p. m., with competent assistants in charge to direct students. No student is admitted to a course unless he fulfills all the preliminary requirements for the course, or otherwise satisfies the instructor that he is prepared to pursue it. Every student must make his election of courses so as to avoid conflict between the hours appointed for recitations.

Under each course is stated the number of credits for which the course is counted toward satisfying the requirements for the undergraduate degrees of Bachelor of Arts and Bachelor of Science, or for the graduate degrees of Master of Arts and Master of Science, or for the graduate degree in engineering.

### APPLIED MATHEMATICS

*Second Section. For Undergraduates and Graduates.*

20. *Analytical and Applied Mechanics.*—(1) Statics: including composition, resolution and equilibrium of forces; center of gravity;



moment of inertia. (2) Kinematics and Kinetics: including rectilinear, curvilinear and rotary motion; dynamics of machinery; work and energy; friction; impact. Four hours, first half-year. Four semester-hour credits. Prerequisites: Math. 18 or 19; Physics 1 or 3. Professor MILLER.

21. *Hydraulics*.—The theoretical principles of hydraulics: including hydrostatics, flow through orifices, over weirs, through pipes and in open channels, and the dynamic pressure of water. Two hours. Four semester-hour credits. Prerequisite: Physics 1 and Math. 18 or 19. Assistant Professor RANDOLPH.

22. *Mechanics of Materials and Theory of Elasticity*.—Elastic and ultimate strength and deformation; simple, cantilever and continuous beams; shear, riveted joints, torsion, columns, resilience, combined stress, curved beams and hooks; theories of elastic limit and failure. Four hours, second half-year. Prerequisite: Ap. Math. 20. Professor MILLER.

23. *Statics and Mechanics of Materials*.—Course intended primarily for Architects. Graphic statics, composition, resolution and equilibrium of forces; center of gravity; moment of inertia; beams and columns; design of trusses. Two lectures and one drawing period a week. Six semester-hour credits. Prerequisite: Math. 15; Physics 3.

## ARCHAEOLOGY AND HISTORY OF ART

### *Second Section. For Graduates and Undergraduates.*

20. *History of Art*.—An introductory course in the history of architecture, sculpture and painting, illustrated by photographs, lantern slides and casts. 1923-24, Prehistoric, Classical and Mediaeval Art; 1924-25, Renaissance and Modern Art. Section A: *Wed.* and *Fri.*, 4 p. m. Section B: *Wed.* and *Fri.*, 5.10 p. m. Four semester-hour credits. Not given 1925-26. Professor CARROLL and Mrs. CARROLL.

22. *Ancient and Mediaeval Art*.—Lectures, assigned readings, written reports. *Mon.* and *Wed.*, at 2.45. Four semester-hour credits. Professor BIBB.

23. *Renaissance and Modern Art*.—Lectures, assigned readings and written reports. *Tues.* and *Thurs.*, at 4. Four semester-hour credits. Professor BIBB.

### *Third Section. Primarily for Graduates.*

50. *Pro-Seminary of Art and Archaeology*.—Prehistoric Art and Archaeology. *Mon.*, 4.30-6.10 p. m. One hour research in addition in National Museum. Six semester-hour credits. Not given 1925-26. Professor CARROLL.

51. *American Archaeology*.—In conjunction with the School of American Archaeology in Santa Fe. Six semester-hour credits. Not given 1925-26. Professor CARROLL.

Use is made of the illustrative material in the National Museum, the Library of Congress and the Corcoran Gallery of Art. Students are invited to the open meetings of the Art and Archaeology League, and the Washington Society of the Archaeological Institute of America.

### SPECIAL LECTURES IN ARCHAEOLOGY

With the cooperation of the Carnegie Institution of Washington there will be given during the session of 1925-26 a course of lectures on Archaeology, and the lecturers will be distinguished archaeologists from this country and from abroad. Under conditions to be announced these courses may be taken by advanced students and counted toward their degrees.

### ARCHITECTURE

#### *First Section. Primarily for Undergraduates.*

1. *Mechanical Drawing*.—Correct use of drafting instruments; mechanical and freehand lettering, and pen and pencil drawing as applied to architectural subjects. One semester-hour credit. First semester. Mr. ALBERT.
2. *Freehand Drawing*.—Drawing from casts. Four semester-hour credits. Mr. WEISZ.
3. *Elements of Architecture*.—Study of architectural elements including the Five Orders. Two semester-hour credits. First semester. Mr. ALBERT.
4. *Shades and Shadows*.—Principles of descriptive geometry methods of casting the conventional shades and shadows used in architectural design. Two semester-hour credits. Prerequisite: Mechanical Drawing 8. Second semester. Mr. ALBERT.
5. *Elementary Design*.—Problems in elementary design and rendering involving the use of the elements of Architecture. Two semester-hour credits. Prerequisite: Architecture 3 and 4 or may be taken concurrently with Architecture 4. Second semester. Mr. ALBERT.
6. *Antique*.—Charcoal drawing from casts of Antique sculpture. Four semester-hour credits. Prerequisite: Architecture 2. Mr. WEISZ.
7. *Architectural Design*.—Problems in elementary architectural design of the small ensemble and in the design of architectural motives. Four semester-hour credits. Prerequisite: Architecture 5. First semester. Mr. ALBERT.
8. *History of Architecture*.—The development of the art in ancient Egypt, in Greece and Rome and through the Mediaeval period. *Wed., Fri.* at 6.05. Four semester-hour credits. Professor BIBB.
9. *Architectural Design*.—Continuation of Architecture 7. Four semester-hour credits. Prerequisite: Architecture 7. Second semester. Mr. ALBERT.



10. *Principles of Composition*.—Elements of composition of architectural design. Discussion of typical motives of Buildings and expressions by mass, proportion and line. One semester-hour credit. Second semester. Professor CRANDALL.

11. *Principles of Planning*.—Elemental principles of plan composition. Analysis, design and indication of plans and their relation to the structure. One semester-hour credit. Prerequisites: Architecture 5 and 10. First semester. Professor CRANDALL.

12. *Perspective and Stereotomy*.—Theory and application of mechanical perspective and practical problems in stone jointing. One semester-hour credit. Prerequisite: Mechanical Drawing 8. Second semester. Mr. ALBERT.

*Second Section. For Undergraduates and Graduates.*

20. *History of Architecture*.—A study of the Architecture of the Renaissance in its relation to Ancient and Modern Architecture. Tues. and Thurs. at 6.05 p. m. Four semester-hour credits. Prerequisite: Architecture 8. Professor BIBB.

21. *Building Construction*.—A study of the artistic and practical value of the various materials used in building construction including standard indication and details of construction. Two semester-hour credits. Prerequisite: Architecture 5. First semester. Mr. JUSTEMENT.

22. *Sanitation*.—History of sanitation; pollution of water sources; modern plumbing practice; methods of sewage disposal; septic tanks, sewage disposal fields, etc. Two semester-hour credits. Prerequisite: Architecture 39. First semester. Professor HARRIS.

24. *Pen and Ink*.—A study of the renderings of the best pen and ink draftsmen, with practice in the use of the pen for architectural rendering. One semester-hour credit. Prerequisite: Architecture 6. Professor CRANDALL.

25. *Architectural Design*.—Problems in architectural composition, archaeology problems and measured drawings. Six semester-hour credits. Prerequisite: Architecture 9. \*First semester. Professor CRANDALL.

26. *Architectural Design*.—Problems in architectural composition and the planning of important buildings. Six semester-hour credits. Prerequisite: Architecture 25. \*Second semester. Professor CRANDALL.

27. *Architectural Design*.—Problems in architectural composition and the planning of important buildings and groups of buildings. Eight semester-hour credits. Prerequisite: Architecture 26. \*First semester. Criticism by Professor CRANDALL.

28. *History of Sculpture and Painting*.—An advanced course offer-

ing a comparative study of the development of art as the expression of civilization; an outline of the lives of great artists and a critical analysis of their achievements. *Wed., Fri.* at 5.10. Four semester-hour credits. Professor BIBB.

29. *Modern Architecture*.—Nineteenth century Architecture in the principal European countries and Colonial and more recent work in the United States. *Thurs.* at 5.10 p. m. Two semester-hour credits. Prerequisite: Architecture 20. Professor BIBB.

30. *Life Class*.—Drawing from the nude model and exercises in composition. Two semester-hour credits. Prerequisite: Architecture 6. Assistant Professor BAKER.

33. *Water Color*.—Drawing in water color from still life, and outdoor sketching. Two semester-hour credits. Prerequisite: Architecture 6. Assistant Professor BAKER.

34. *Life Class*.—Drawing from the nude model in various mediums, and exercises in composition. Two semester-hour credits. Prerequisite: Architecture 30. Assistant Professor BAKER.

35. *Modeling*.—Modeling in clay from casts of architectural ornament and fragments from antique sculpture. Two semester-hour credits. Prerequisite: Architecture 30. (Not given in 1925-26.)

39. *Building Construction*.—Continuation of Architecture 21. Two semester-hour credits. Second semester. Prerequisite: Architecture 21. Mr. JUSTEMENT.

41. *Heating and Ventilating*.—Elementary principles of heating and ventilating; details of installation of hot air, hot water, and steam heating plants. Two semester-hour credits. Prerequisite: Architecture 39. Second semester. Professor HARRIS.

42. *Office Practice*.—Exercises in the drafting room to illustrate the principles which govern the preparation of working drawings, details and specifications. Plans of executed work will be examined and discussed, and visits made to buildings under construction. Four semester-hour credits. Prerequisites: Architecture 39. Mr. JUSTEMENT.

43. *Specifications*.—The content, form and English used in the best specifications and a study of standard specifications for various types of design and construction. (For Engineering students.) Two semester-hour credits. Prerequisite: First semester of C. E. 22 or M. E. 20. First semester. Professor HARRIS.

45. *Professional Relations*.—The personal, ethical, business and legal relations of the architect with clients, builders, craftsmen, engineers, etc., with whom he has to work in the practice of his profession. References will be made to legal handbooks upon the laws governing Architecture and building and to various handbooks that are issued by the American Institute of Architects. Two semester-hour credits. Prerequisite: Economics 1. Professor HARRIS.



46. *Architectural Humanities*.—Lectures by speakers of distinction in different fields not strictly architectural, but so related to architecture as to be of value to students about to assume their professional responsibilities. Written reports will be required on all lectures announced on the bulletin board as a part of this course. Two semester-hour credits. Prerequisites: Architecture 26 and 48. Throughout the year. Registration first semester only.

47. *Architectural Design*.—A continuation of Architecture 27 with at least two months devoted to a thesis for the degree. The thesis will be an important final problem. Ten semester-hour credits. \*Second semester. Prerequisite: Architecture 27. Professor CRANDALL.

48. *Office Practice*.—An analysis of the methods followed in architects' offices in the preparation of plans and specifications. Must be taken concurrently with Architecture 42. One semester-hour credit. Prerequisite: Architecture 39. Second semester. Mr. JUSTEMENT.

#### *Third Section. Primarily for Graduates.*

50. *Graduate Design*.—Hours and credits to be arranged. Professor CRANDALL.

51. *Advanced Construction*.—Hours and credits to be arranged. Mr. JUSTEMENT.

52. *Seminar in History of Architecture*.—Hours and credits to be arranged. Professor BIBB.

53. *Advanced Painting and Composition*.—Credits to be arranged. Assistant Professor BAKER.

### ASTRONOMY

#### *First Section. Primarily for Undergraduates.*

1. *Popular Astronomy*.—A course in elementary descriptive astronomy, designed to give facts of general interest without the use of higher mathematics. Recitations, lectures and papers on special topics assigned to each student. Tues. and Thur., 11.15 a. m. Four semester-hour credits. Professor ERWIN.

### ASTROPHYSICS

#### *Third Section. Primarily for Graduates.*

54. A lecture course on the astro-physical instruments employed in modern research. Six semester-hour credits. Mr. FOWLE.

55. Some applications of Astrophysics, Geophysics, Chemical Physics and Colloidal Physics to Meteorology. Six semester-hour credits. Mr. FOWLE.

56. Some interrelations between Astrophysics, Geophysics, Atomic Physics and Colloidal Physics. Six semester-hour credits. Mr. FOWLE.

\* For part-time students, the work in Architecture, 25, 26, 27, and 47, will be divided up between the first and second semesters and will therefore extend throughout the year. Credit will be given only for the entire course; therefore part-time students must register the first semester. Many of the problems issued by the Beaux Arts Institute of Design in New York City will be included in the work of the design courses and although these problems will be sent to the New York judgments, academic credit will be determined by the University judgment.

**BACTERIOLOGY AND CLINICAL MICROSCOPY**

*Second Section. For Undergraduates and Graduates.*

20. *Bacteriology*.—General bacteriology; bacteriological technic; preparation of culture media; methods of sterilization and disinfection; routine study of about ten non-pathogenic bacteria; cultural; microscopical and serological study of about forty pathogenic organisms. Students are also taught the preparation of vaccines, agglutinating, hemolytic and other immune sera, commonly employed in diagnosis, including the Wassermann Reaction. Moulds, yeast, spoilage of food and contamination of water are also considered, together with methods for qualitative and quantitative estimation. This course consists of forty-eight lectures and quizzes, and ninety-six hours in the laboratory. Special tuition fee, \$60.00. Dr. HUNTER.

22. *Clinical Microscopy and Parasitology*.—A course covering the technic for counting red and white blood cells, various methods of hemoglobin estimation, differential counting of white blood cells; study and recognition of malarial parasites and other blood parasites, and a consideration of the latest procedures in Hematology; microscopic examination of sputum, spinal fluid, exudates, etc. Microscopic study of the sediments of normal and pathologic urines, stomach contents, feces, including a systematic study of animal parasites and life histories, which are of interest from a medical standpoint, beginning with the protozoa and passing through the helminths and arthropods. The venomous animals and their venoms are also studied and the problems of immunity in this group are discussed. The significance and value of these findings as applied to pathology and diagnosis are considered. Hours, seventy-two; didactic, twenty-four; laboratory, forty-eight. Special tuition fee, \$36.00. Dr. HUNTER.

23. *Pathology and Pathologic Technic*.—This course includes a resume of normal Histology and Embryology so correlated as to show the structural units of the human and animal body morphologically and developmentally and their relationship to each other in the construction of tissues and organs to constitute a proper basis for the study of Pathology. This is followed by a study of General Pathology, covering inflammation, repair, degenerations, the effect of plant and animal parasites on the body, the effects of physical and chemical agents and the formation of new growths. Special pathology of the organs and of the specific diseases is also considered. The laboratory work consists of a study of the various methods of preservation, fixation, cutting, staining, mounting and preparation of pathologic tissues, including the paraffin, celloidin and freezing procedures, and microscopic examinations. The microscopic study is supplemented by material from the operating room, post-mortem and museum speci-



mens, thus affording a knowledge of both gross and microscopic pathology. Hours, seventy-two; didactic, twenty-four; laboratory, forty-eight. Special tuition fee, \$36.00. Dr. HUNTER.

## BOTANY

### *First Section. For Undergraduates.*

A student intending to major in Botany should take Course 4 along with 1 and 2 the first year, follow with 20 or 23 and 24 the second year and with 21 and 22 the junior year. He should acquire a reading knowledge of French and German and choose among his electives, Chemistry, Geology, Physics and Zoology.

Courses 1 and 2 in General Botany aim to present in orderly fashion such a knowledge of the vegetable kingdom, as everyone needs to understand plants, their mode of life and their bearing on human affairs. Especial attention is given to metabolism, response, adaptation, inheritance and similar aspects of General Biology applicable alike to both plants and animals. Text: Sinnott: Botany, Principles and Problems.

1. *The Living Plant*.—A study of the structure and function of the flowering plant as a working mechanism. Section A: *Mon.* and *Wed.*, 9.15 a. m. Section B: *Mon.* and *Wed.*, 10.15 a. m. Section C: *Tues.* and *Thurs.*, 1.00–2.00. Section D: *Mon.* and *Wed.*, 5.10. Laboratory, *Wed.*, 1.00–3.00; *Wed.*, 3.00–5.00; *Thurs.*, 3.00–5.00; *Fri.*, 9.15–11.15; *Fri.*, 1.00–3.00; *Fri.*, 5.00–7.00. Three semester-hour credits. First half-year. Professor GRIGGS and Mr. BOWMAN.

2. *The Plant Kingdom*.—A rapid survey of the principal groups of plants followed by practice in determining the common native plants. Prerequisite: One semester's work in college biology. Schedule as in Botany 1. Second half-year. Three semester-hour credits. Professor GRIGGS and Mr. BOWMAN.

4. *Field Botany*.—First-hand study of the local flora, designed to familiarize the student with the native plants and with methods of field study, including the identification of plants. An excursion Saturday afternoon is followed by a laboratory period Monday, 3.00–5.00 p. m. Second half-year. Two semester-hour credits. Professor GRIGGS and Mr. BOWMAN.

### *Second Section. For Graduates and Advanced Undergraduates.*

20. *Flowering Plants*.—A survey of selected groups of angiosperms chosen to give the student an understanding of the evolution and natural relationships of the class together with practice in identifying unknown plants. Prerequisite: Botany 1 and 2. Lecture, *Wed.*, 6.05 p. m. Laboratory, *Mon.* and *Fri.*, 5.10–6.50 p. m. The year. Six semester-hour credits. Professor GRIGGS.

21. *Evolution*.—Assigned readings, lectures and discussion of evolution, and other fundamental problems of biology. Text: Newman: Readings in Evolution, Genetics and Eugenics. Prerequisite: One year's work in College Botany, Geology, or Zoology. Section A: *Mon., Wed. and Fri.*, 11.15 a. m. Section B: *Mon., Wed. and Fri.*, 5.10 p. m. First half-year. Three semester-hour credits. Professor GRIGGS.

22. *Genetics and Eugenics*.—Continuation of Course 21. Second half-year. Three semester-hour credits. Professor GRIGGS.

23. *Plant Anatomy*.—This course will include both a microscopical study of the structure of flowering plants and the technic of preparing material for study. Each student will make a set of slides for himself. Prerequisite: Botany 1. Section A: *Tues. and Thurs.*, 2.00–5.00. Section B: *Tues. and Thurs.*, 5.00–8.00. First half-year. Two semester-hour credits. Mr. BOWMAN.

24. *Cytology*.—Cell contents, mitosis, fertilization and the reduction division will be studied. Each student will prepare and stain his own material in class. Prerequisite: Botany 1. Three semester-hour credits. Second half-year. Mr. BOWMAN.

#### *Third Section. Primarily for Graduates.*

50. *Research*.—Open to qualified workers in special fields. Hours and credits to be arranged. Professor GRIGGS and Mr. BOWMAN.

51. *Seminar*.—Discussion of problems of broad botanical interest. *Tues. and Thurs.*, 5.10 p. m. Six semester-hour credits. Professor GRIGGS.

### CHEMISTRY

#### *First Section. Primarily for Undergraduates.*

1. *General Chemistry*.—A series of illustrated lectures, accompanied by exercises and tests on theoretical, inorganic, organic and technical chemistry. Section A: *Tues., Thurs. and Sat.*, 11.15 a. m. Section B: *Tues., Thurs. and Sat.*, 6.05 p. m. Six semester-hour credits. Professor McNEIL.

2. *Laboratory Practice*.—A laboratory course for the study of the principles of chemistry and the method of conducting chemical experiment. Two three-hour periods. *Tues. and Thurs.*, 1.45 p. m. or at 7 p. m. Four semester-hour credits. Professor McNEIL, Professor —, Mr. HAMILTON and Assistants.

3. *Preparation and Study of the Properties of Chemical Substances*.—A laboratory course. Two three-hour periods. *Tues. and Thurs.*, 1.45 p. m. or at 7 p. m. Four semester-hour credits. Professor McNEIL, Professor — and Mr. HAMILTON.

7. *Qualitative Analysis*.—A laboratory course for the study of the principles of chemistry and an intensive course in qualitative analysis,



intended primarily for students in engineering. Two three-hour periods. *Tues.* and *Thurs.*, 1.45 p. m. or 7 p. m. Four semester-hour credits. Professor McNEIL, Professor — and Mr. VALAER.

8. *Elementary Organic Chemistry*.—A lecture and laboratory course including both the aliphatic and aromatic series of compounds. Two lectures and three hours laboratory work per week. Section A: *Tues.* and *Thurs.*, 1.45 p. m. Section B: *Mon.* and *Wed.*, 7 p. m. Six semester-hour credits. Professor McNEIL.

9. *Quantitative Analysis*.—A brief laboratory course designed to acquaint the student with the principles of both gravimetric and volumetric methods of analysis. Two three-hour periods. *Mon.* and *Wed.*, 1.45 p. m. or 7 p. m. Four semester-hour credits. Professor McNEIL and Professor —.

10. *General Chemistry*.—A course similar to Course 1 but adapted to students who have not had high school chemistry. *Tues.*, *Thurs.* and *Sat.*, 5.10 p. m. Six semester-hour credits. Professor McNEIL.

*Second Section. For Undergraduates and Graduates.*

20. *Qualitative Analysis*.—A laboratory course in the study of properties and reactions of chemical substances, and of the means employed for their detection and identification. Three three-hour periods. Six semester-hour credits. Professor McNEIL, Professor — and Mr. VALAER.

21. *Quantitative Analysis*.—A laboratory course in the quantitative estimation of the constituents of a specially selected and typical set of chemical substances which are particularly adapted for teaching the student the aims and methods of quantitative chemical analysis and for imparting facility in manipulation. Three four-hour periods. *Mon.*, *Wed.* and *Fri.* Eight semester-hour credits. Professor McNEIL and Professor —.

23. *Organic Chemistry*.—Advanced course. *Wed.* and *Fri.*, 5.10 p. m. Four semester-hour credits. Professor —.

24. *Organic Chemistry*.—Advanced course. A continuation of Course 23. *Thurs.* and *Sat.*, 6.05 p. m. Four semester-hour credits. Professor —.

25. *Chemistry of the Carbon Compounds*.—A laboratory course in the preparation and study of the properties of a characteristic series of organic compounds. Four three-hour periods. Eight semester-hour credits. Professor McNEIL, Professor — and Mr. LEPPER.

26. *Physical Chemistry*.—A lecture course designed to be an introduction to physical chemistry, and to treat of the modern theories of chemistry from that standpoint. Special attention is given to the ionic theory, electro-chemistry, colloids, mass action, and the phase rule. *Mon.* and *Wed.*, 6.05 p. m. Four semester-hour credits. Professor McNEIL.

27. *Stereo-Chemistry*.—This course deals with the arrangement of atoms in space from a theoretical standpoint, while the student is taught how to form models by which to illustrate their arrangements. Two hours. *Tues.*, 7.00 p. m. Four semester-hour credits. Assistant Professor HILL.

28. *Biochemistry*.—A lecture and laboratory course. The physico-chemical processes concerned in the functional activity of the cell and quantitative principles essential for biochemical analysis are thoroughly considered, followed by physiological chemistry including a study of carbohydrates, fats, proteins, body tissues, secretions, and the physiological chemical processes, such as the digestion, absorption and assimilation of food, general enzyme action, metabolism, and the fundamental principles of nutrition. Two lectures and two three-hour laboratory periods. Lectures, *Wed.* and *Fri.*, 5.10–6; Laboratory, 7–10. Eight semester-hour credits. Professor ROE.

29. *Industrial Chemistry*.—This course deals with the manufacture of substances styled "chemicals" and with the application of chemistry to the arts and industries. *Mon.*, *Wed.* and *Fri.*, 7 p. m. Six semester-hour credits. Mr. BRATTAIN.

30. *Physical Chemistry*.—A laboratory course, designed to illustrate and supplement Chemistry 26; and especially adapted to the needs of those students who have taken or are taking that course. Two three-hour periods. *Tues.* and *Thurs.*, 7 p. m. Four semester-hour credits. Assistant Professor HILL.

31. *Chemical Microscopy*.—A laboratory course in the use of the microscope and microscopical methods in chemical work. Two three-hour periods. *Tues.* and *Thurs.* at 7 p. m. Four semester-hour credits. Assistant Professor HILL.

32. *Dyestuffs*.—A lecture and laboratory course for the study of the basic principles involved in the production of crudes, intermediates and finished dyes; methods of manufacture and purification; identification and separation in bulk, on textiles and from foods; theories of color; photographic developers and color filters; applications of dyestuffs commercially; market conditions and patent literature; research. Twelve hours per week. Eight semester-hour credits. Miss DOYLE.

33. *Explosive Substances*.—A course in the fundamental principles of explosives and explosions, accompanied by laboratory experiments and field demonstrations. Assistant Professor PHILLIPS in consultation with Dr. CHARLES E. MUNROE. Not given in 1925–26.

34. *Chemical Engineering*.—A lecture course on the methods employed in the industrial application of chemical and engineering principles, including materials used in the construction of apparatus needed in large-scale chemical work, the principal types of apparatus and machines, practice in the solution of problems connected with com-



mercial chemical processes, and the design of chemical equipment. *Tues., Thurs. and Sat., 6.05 p. m.* Six semester-hour credits. Mr. BRATTAIN.

35. *Microchemical Analysis*.—A course covering qualitative analysis of minute quantities of an unknown, special attention being given to crystal form as seen under the microscope. One three-hour period. *Thurs., 7 p. m.* Two semester-hour credits. Assistant Professor HILL.

36. *Applied Microscopy*.—The use of the microscope and its accessories in the microscopy of (a) technical products, (b) vegetable foods and drugs, (c) metallurgy, or (d) petrographic methods, as the student may elect. One three-hour period. *Tues. and Thurs., 7 p. m.* Two semester-hour credits. If desired the course may be taken on both evenings with four semester-hour credits. Assistant Professor HILL.

37. *Colorimetric Analysis*.—A short course in quantitative analysis by colorimetric methods using the Bock-Benedict colorimeter, and Snell as a text-book. One three-hour period for either half of the college year. *Tues. or Thurs., 7 p. m.* One semester-hour credit. The work can be extended to a two semester-hour course if desired. Assistant Professor HILL.

#### *Third Section. Primarily for Graduates.*

51. *Analytical Methods*.—Six semester-hour credits. Additional credits may be earned by special arrangement. Professor McNEIL.

57. *Research in Physical Chemistry*.—Six semester-hour credits. Additional credits may be earned by special arrangement. Professor McNEIL.

58. *Research. Special Problems*.—Facilities for research are available in a number of lines, especially biochemistry, dyestuffs, and explosive substances. For particulars consult Professor McNEIL.

60. *Thermodynamics*.—An advanced lecture course treating the subject from the standpoint of the chemist and including essentially the matter covered in Lewis and Randall's text. Not given in 1925-26.

61. *Electrochemistry*.—An advanced lecture course on the theory and applications of electrochemistry. Not given in 1925-26.

62. *Physical Chemistry*.—An advanced lecture course giving a survey of the whole subject, including the relations of mass and volume, phase relations, thermochemistry and chemical thermodynamics, chemistry of solutions, and optional chemistry. Elementary physical chemistry and a working knowledge of calculus are prerequisites. Four semester-hour credits. Will be given in 1925-26 if enrollment is sufficient. Dr. J. R. ECKMAN.

63. *Quantum Theory*.—A lecture course dealing with the applications of the quantum theory to physical chemical problems, using as a text W. C. McC. Lewis' *System of Physical Chemistry*, Vol. III. A

course in physical chemistry and a working knowledge of calculus are prerequisites. Four semester-hour credits. Dr. A. G. LOOMIS.

71. *Physical-Organic Chemistry*.—An advanced lecture course on the fundamental mechanisms of important organic reactions, embodying the evidence from researches on applications of the mass law, reaction velocities, electromotive force, spectrophotometry, conductivity, dilatometry, colloids, oxidation-reduction, and other physical methods. Six semester-hour credits. Professor ACREE.

72. *Physical-Organic Laboratory*.—A course in which accurate practice preliminary to research in chemistry, bacteriology, biological chemistry, and soil studies is obtained in exceptionally well-equipped physical-organic laboratories. Four semester-hour credits. Professor ACREE.

73. *Theory and Use of Indicators*.—An advanced illustrated lecture course on the mathematical and spectrophotometric relations involved in the behavior and use of the important tautomeric acid and basic indicators, and buffers, in analytical chemistry, bacteriology, biological chemistry, and industrial processes. First semester. Three semester-hour credits. Given in 1926-27. Professor ACREE.

74. *Sugars, Starches and Celluloses*.—An advanced lecture course on the properties, biological importance, uses, and stereochemical relations of these carbohydrate classes. Second semester. Three semester-hour credits. Given in 1926-27. Professor ACREE.

75. *Terpenes*.—An advanced lecture course on the properties and uses of typical essential oils, perfumes, and naval stores. First semester. Three semester-hour credits. Given in 1927-28. Professor ACREE.

76. *Cyclic Nitrogen Compounds*.—An advanced lecture course on the constitution, occurrence, and uses of typical alkaloids, purines, etc. Second semester. Three semester-hour credits. Given in 1927-28. Professor ACREE.

80. *Physical-Organic Research*.—Investigations in organic chemistry with the aid of physical chemical methods and equipment are offered students desiring the degree of M. S. or Ph. D. in chemistry. Credits correspond to work accomplished. Professor ACREE.

81. *Seminar in Organic and Physical-Organic Chemistry*.—Reading and weekly discussion of original French, German, and other chemical literature, and reports on the progress of research work are required. Hours and credits are arranged to suit the needs of each student. Professor ACREE.

Exceptional opportunities are now available for preparation and research in graduate chemistry courses through cooperation between George Washington University and several United States Government departments. Not only are the many well-equipped Government



laboratories, the Patent Office, the libraries, and their records and manifold activities made accessible and available to students in certain lines of cooperative investigation, but especially has it now been made possible to furnish the graduate chemistry laboratories of George Washington University with an unusually extensive layout of high-grade equipment for researches in physical-organic chemistry.

Students in Chemistry are invited to attend the meetings of the Chemical Society of Washington, which are held on the second and fourth Thursdays of each month, from October to May, in the Assembly Hall of the Cosmos Club, at 8 p. m., and also the meetings of the Chemical Society of the George Washington University, which is a most active and efficient student organization.

### CIVIL ENGINEERING

#### *First Section. Primarily for Undergraduates.*

1. *Elementary or Plane Surveying.*—A course for civil engineering students. Lectures, recitations, field work, computations and drafting. Lectures and recitations include the theory, adjustment and use of surveying instruments; the principles and methods of surveying. Field work includes adjustment of instruments, measuring areas, leveling, traverse work, etc. Computation and drafting include reduction of all field work and plotting results. Text-book, Vol. 1 of Surveying, by Breed and Hosmer. Two recitations per week and three hours per week for field and drafting work during the first semester. Section A: *Mon. and Fri.*, 1.45 p. m. Section B: *Mon. and Fri.*, 6.05 p. m. Three semester-hour credits. Professor FRENCH.

2. *Railroad Engineering.*—This course includes recitations, field and drawing-room work. The recitations cover railroad curves and earth-work, methods of location and construction of railway lines. The field work consists of a preliminary and location survey; the laying out of circular and transition curves, etc. The computations and mapping consist of making an estimate of quantities and cost of a piece of line, making maps, profiles and a mass diagram. Two lecture-recitations and one three-hour field or drawing period a week throughout the year. Six semester-hour credits. Prerequisite: C. E. 1. Professor FRENCH.

3. *Highways and Pavements.*—This course comprises the study of highway economics, location, construction and maintenance; the various methods of surfacing; the materials used and the standard tests of these materials. A study is also made of the methods of street paving, street grades, etc. Two hours a week. Four semester-hour credits. Should be taken concurrently with C. E. 1 and 4. Professor FRENCH.

4. *Materials of Construction*.—A course in the study of the properties and uses of gypsum, lime, brick, stone, cement, wood, iron, steel and some of the alloys. The text-book work is supplemented by the assignment of special topics which are prepared and presented to the class and by trips to testing laboratories and manufacturing plants. Two hours a week. Four semester-hour credits. Prerequisite: Chemistry 1. Professor LAPHAM.

5. *Elementary Surveying*.—A course for mechanical and electrical engineering students, covering the use of the compass, transit, and level. Lectures and field exercises. First semester. Two semester-hour credits. Prerequisite: Mathematics 9 or 12. Professor FRENCH.

9. *City Planning*.—Lectures and recitations covering the principles governing the planning of a modern city. It includes transportation systems, street layout, park and recreation facilities, public buildings, zoning for various purposes, etc. Two hours per week during the first semester. Two semester-hour credits. Professor FRENCH.

*Second Section. For Undergraduates and Graduates.*

20. *Higher Surveying*.—Lectures, recitations, field work, and computation. This course includes the elements of geodesy, triangulation, topography (transit and stadia, plane-table and photographic methods), hydrography, precise and trigonometric leveling, as well as descriptions and use of the instruments used for such work. Field work includes measurement of angles for triangulation, topography by transit and stadia and plane-table methods, including the necessary computations. Breed and Hosmer's Surveying, Vol. 2. Two recitations per week and three hours per week for field work during the second semester. Section A: Mon. and Fri., 1.45 p. m. Section B: Mon. and Fri., 6.05 p. m. Three semester-hour credits. Prerequisites: Mathematics 9 or 12 and C. E. 1. Professor FRENCH.

21. *Hydraulic Engineering*.—A study of stream flow; dams; hydraulic motors, and water power plants. Two recitations per week for one semester. Two semester-hour credits. Prerequisite: Applied Mathematics 21. Professor LAPHAM.

22. *Structures*.—A course covering the determination of stresses in simple framed structures and their deflections by graphical and analytical methods. The first term is principally devoted to graphic statics; the second to bridge trusses under uniform and wheel loads. Two lectures and one design period. Six semester-hour credits. (Mechanical Engineering students take only the first term. Three semester-hour credits.) Prerequisites: Physics 1 and Mathematics 18 or 19, and should be taken concurrently with Applied Mathematics 20. Professor MILLER.

23. *Structures*.—A course covering the determination of stresses in the more complicated framed structures such as arches, draw-



bridges, cantilever bridges and suspension bridges; also the design of timber and steel roof trusses and buildings; plate girder, riveted and pin-connected bridges; bridge piers and abutments. Three lectures and two design periods. Ten semester-hour credits. Prerequisites: C. E. 22 and Applied Mathematics 20 and 22. Professor HITCHCOCK.

24. *Sanitary Engineering*.—Water supply; the collection, storage and distribution of water; the design and construction of dams, reservoirs and storage tanks; construction and maintenance of water distributing systems; pumping machinery; quality of water; interpretation of water analyses; methods of water purification; the relation of water supply to infectious diseases; the design of a water supply system for a small town.

Sewerage; sewerage and drainage systems; methods of disposal of sewage and trade wastes; treatment of sewage; garbage and refuse disposal; the design of a sewer system for a small town. Three recitations and one design period. Eight semester-hour credits. Prerequisites: Chemistry 1 and Applied Mathematics 21. Professor LAPHAM.

27. *Reinforced Concrete Construction*.—The theory and design of reinforced concrete slabs, beams, columns, foundations and walls; estimating reinforced concrete work; structures of plain concrete and masonry; tests of cement and concrete. Two recitations and one design period. Six semester-hour credits. Prerequisite: Applied Mathematics 22. Professor LAPHAM.

28. *Reinforced Concrete*.—Short course for Architecture students. Includes two recitation periods of C. E. 27 during first semester. Two semester-hour credits. Professor LAPHAM.

29. *Practical Astronomy*.—This course includes the elements of astronomy covering descriptions of the planes of reference, the various kinds of time used in astronomy with methods of changing from one to another, use of the ephemeris and star catalogues, several methods for determining the latitude, time, longitude and azimuth. Each student is required to make observations to determine latitude, time, longitude and azimuth, and compute the same. Practical Astronomy by Hosmer. Two hours per week during the second semester. Two semester-hour credits. Prerequisites: Mathematics 9 or 12, C. E. 1. Professor FRENCH.

#### *Third Section. Primarily for Graduates.*

50. *Reinforced Concrete Structures*.—Theory and design; buildings, bridges, retaining walls, dams, tanks, etc. One lecture and two design periods. Six semester-hour credits. Prerequisite: C. E. 27. Professor HITCHCOCK.

51. *Advanced Steel Structures*.—Theory and design of suspension, cantilever, movable and arch bridges. One lecture and two design

periods. Six semester-hour credits. Prerequisite: C. E. 23. Professor HITCHCOCK.

53. *Railroad Engineering*.—An advanced course in railroad location, construction and maintenance of way. It must be preceded by Civil Engineering 2. Six semester-hour credits. Prerequisite: C. E. 2.

54. *Water and Sewage Purifications*.—An advanced course dealing with the practical application of the principles and methods involved in the purification of water supplies and in the disposal and treatment of sewage. One lecture and two design periods. Six semester-hour credits. Prerequisite: C. E. 24.

55. *Geodesy and Geodetic Astronomy*.—The work in Geodesy includes methods of conducting extensive trigonometric surveys, least square adjustment of the observations and all computations usually connected with such work; discussion of the figure of the earth and methods for determination of its dimensions with an application of the theory of isostasy.

The work in Geodetic Astronomy includes the methods of accurate determination of latitudes, longitudes and azimuths on the surface of the earth, and all the computations connected with such work. The course is intended to cover all the approved methods used by the U. S. Coast and Geodetic Survey. Six semester-hour credits.

## CLASSICAL LANGUAGES AND LITERATURES

### Greek

#### *First Section. Primarily for Undergraduates.*

A. *Elementary Course*.—For students who have not taken Greek before matriculating. It aims to cover as much as possible of the entrance requirement in Greek, with the exception of Homer. *Mon., Wed. and Fri., 10.15 a. m.* Six semester-hour credits. Professor SMITH.

B. *Homer; Iliad I-IV*.—For students who have taken Course A and desire to prepare themselves to enter Course I. *Tues. and Thurs., 9.15 a. m.* Four semester-hour credits. Professor SMITH. (Not given in 1925-26.)

1. Herodotus (selections); Lysias (selected orations); Euripides (*Alcestris*); Greek prose composition. *Mon., Wed. and Fri., 2.45 p. m.* Six semester-hour credits. Professor SMITH.

2. Xenophon (*Memorabilia*); Thucydides (*Book VII*); Sophocles (*Antigone*). *Mon., Wed. and Fri., 11.15 a. m.* Six semester-hour credits. Professor SMITH.

#### *Second Section. For Undergraduates and Graduates.*

20. Plato (selections, including the *Apology* and *Crito*); Aristophanes (*Clouds* or *Frogs*). *Tues. and Thurs., 1.45 p. m.* Four semester-hour credits. Professor SMITH.



21. Demosthenes (selected orations); Lucian (selected dialogues); Homer (selections). *Tues.* and *Thurs.*, 1.45 p. m. Four semester-hour credits. Professor SMITH. (Not given in 1925-26.)

#### Latin

##### *First Section. Primarily for Undergraduates.*

B. *Cicero's Orations and Vergil's Aeneid*.—For students who have satisfied the admission requirements in elementary Latin but have not done the work specified under the advanced requirements. It will include a thorough study of several of the *Orations* and of selected parts of the *Aeneid*, supplemented by private reading and some practice in the writing of Latin. *Tues.*, *Thurs.* and *Sat.*, 11.15 a. m. Six semester-hour credits. Professor SMITH.

1. Livy (Book I or XXI); Cicero (*De Senectute*); Horace (*Odes* and *Epodes*); Latin prose composition. Open to students who have satisfied the admission requirements in elementary and advanced Latin, or have satisfactorily completed Course B. *Mon.*, *Wed.* and *Fri.*, 1.45 p. m. Six semester-hour credits. Professor SMITH.

2. Cicero and Pliny (selected Letters); Horace (*Satires* and *Epistles*); Martial (selections). *Mon.*, *Wed.* and *Fri.*, 4 p. m. Six semester-hour credits. Professor SMITH.

##### *Second Section. For Undergraduates and Graduates.*

20. Tacitus (selections); Terence (*Phormio*); Plautus (*Captivi*). *Tues.* and *Thurs.*, 10.15 a. m. Four semester-hour credits. Professor SMITH. (Not given in 1925-26.)

21. Quintilian, Book X, and Horace, *Ars Poetica*; Catullus, Tibullus and Propertius. *Tues.* and *Thurs.*, 10.15 a. m. Four semester-hour credits. Professor SMITH.

22. *Advanced Latin Composition and Reading at Sight*.—Practice in Latin expression and style. *Thurs.*, 2.45 p. m. Two semester-hour credits. Professor SMITH.

##### *Third Section. Primarily for Graduates.*

The work in this section is designed to afford discipline in the methods of philological criticism, with special reference to the interpretation of classical authors, and will include opportunities for original research on the part of competent students. In order to make the work as helpful as possible for those who expect to become teachers, the center of study each year will be one of the authors usually taught in the secondary schools. With the approval of the instructor, properly qualified seniors may be admitted to these courses. The authors selected are as follows:

50. *Vergil, and Roman Epic Poetry*.—Two hours. Six semester-hour credits. Professor SMITH.

51. *Caesar and the Roman Historians*.—Two hours. Six semester-hour credits. Professor SMITH. (Not given in 1925-26.)

52. *Cicero, and Roman Oratory*.—Two hours. Six semester-hour credits. Professor SMITH. (Not given in 1925-26.)

#### Classical Literature

##### *Second Section. For Undergraduates and Graduates.*

21. *General Survey of Classical Greek Literature (in English)*.—This course is designed to give an outline of the development of the different departments of literature in ancient Greece and will include readings, in translation, from the most important authors. Being primarily intended for students who are not taking Greek or Latin, it does not require a knowledge of those languages, and is open to all undergraduates as an elective. *Tues. and Thurs., 4 p. m.* Four semester-hour credits. Professor SMITH. (Not given in 1925-26.)

22. *General Survey of Latin Literature (in English)*.—This course is similar in purpose and method to Course 1, and will alternate with it. The subject of study will be the work of the most important ancient Roman authors. *Tues. and Thurs., 4 p. m.* Four semester-hour credits. Professor SMITH.

#### COMMERCE

##### *Second Section. For Undergraduates and Graduates.*

20. *Marketing*.—This is a fundamental course in the principles, methods and problems of marketing. It is intended as a basic course for students interested in salesmanship, advertising and merchandising. It will include a discussion of the marketing of raw materials and manufactured products considered from both the retail and wholesale points of view. Attention will be given to the place of the chain store and the mail-order house in our marketing organization. Such specific marketing problems as speculation, elimination of the middleman, price control, and the relation of the state to marketing agencies will be considered. The course will be concluded by a study of the co-operative movement as a means of effecting marketing reform. Lectures, assigned readings and discussions. Prerequisite: Economics 1 or 2 or the equivalent. Six semester-hour credits. Assistant Professor BENNER. (Not given in 1925-26.)

24. *Industrial and Commercial Geography*.—An analysis of the economic aspects of the facts and principles of geography, and a survey of the chief industries of the world and of the principal commodities in world trade. Consideration is given to important markets and sources of raw materials. Prerequisite: General Economics. Section A: *Mon., Wed. and Fri., 1.45 p. m.* Section B: *Mon., Wed. and Fri., 6 p. m.* Six semester-hour credits. Professor DONALDSON.



25. *Foreign trade*.—A general survey course in international commerce; basic economic principles; methods of making shipments; rail and ocean transportation; market development; foreign trade. The second semester will be devoted to the analysis of international trade financing; structure of international credit; rates of exchange; monetary and credit standards; the problem of reestablishing the international basis of credit and exchange. Prerequisite: General Economics. *Mon., Wed. and Fri.*, 5.10 p. m. (Not given in 1925-26.) Six semester-hour credits. Associate Professor SUTTON.

30. *History of Commerce*.—A study of the influence of the processes of commerce and industry upon the history of civilization, and of the development of commercial and industrial institutions from antiquity to the present time; includes consideration of World War changes and post-war problems. Prerequisite: General Economics. (Not given in 1925-26.) Three semester-hour credits.

31. *Industrial and Commercial History of the United States*.—A history of the economic development of the nation and of its latter-day commercial and industrial problems. Prerequisite: General Economics. (Not given in 1925-26.) Three semester-hour credits.

33. *Commercial and Maritime Law*.—A study of the principles of the law relating to commercial transactions, especially contracts, sales, bailments, agency, partnership, negotiable instruments, and common carriers, with some study of Admiralty law. Section A: *Tues. and Thurs.*, 11.15 a. m. Section B: *Tues. and Thurs.*, 6.05 p. m. Four semester-hour credits. Professor ALDEN.

38. *Principles of Railway Transportation*.—The principles of transportation; the American railway system; organization; labor; finance; combination; government aid, operation and control. Emphasis is placed upon national railway policy. Prerequisite: General Economics. *Mon., Wed. and Fri.*, 2.45 p. m. First half-year. Three semester-hour credits. Professor DONALDSON.

39. *Principles of Ocean Transportation*.—Nature of ocean transportation; routes, ports and terminals; the carrier; bunkering; cargo; organization; services and rates; mercantile marine policies—government regulation and aid. Prerequisite: General Economics. (Not given in 1925-26.) Three semester-hour credits. Professor DONALDSON.

40. *Railway Traffic and Rates*.—Types of services; organization and management; theory and practice of rate-making; documents and processes in railway traffic; regulation. Prerequisites: General Economics and Principles of Railway Transportation. *Mon., Wed. and Fri.*, 2.45 p. m. Second half-year. Three semester-hour credits. Professor DONALDSON.

41. *Ocean Traffic and Rates*.—Types of services; organization and management; chartering; rates and finances; marine insurance;

papers and documents. Prerequisites: General Economics and Principles of Ocean Transportation. (Not given in 1925-26.) Three semester-hour credits. Professor DONALDSON.

43. *Foreign Trade*.—Principles and practices; underlying economic factors; market development; finance and documentation; regulation and promotion. Special attention is given to an analysis of the trade of the United States and to a survey of important markets. Prerequisite: General Economics. (Not given in 1925-26.) (Six semester-hour credits. Professor DONALDSON.

44. *International Economic Relations*.—A study of world economy; geographic, social, political, legal and territorial factors; the principles and interrelation of international trade, shipping, industry, and finance; international economic agreements and organizations. Includes special analysis of tariff policies and commercial treaties and consideration of spheres of influence and mandates, foreign concessions, international investments, economic aspects of recent world conferences, reparations and reconstruction, and other economic problems and phenomena in foreign affairs. Prerequisite: General Economics. *Mon., Wed. and Fri., 5.10 p. m.* Six semester-hour credits. Professor DONALDSON.

46. *Relation of Government to Business*.—A course in politico-economics: the interrelation of political and economic institutions; property and contract; economic individualism versus socialism; the regulation of monopoly, unfair trade practices and public utilities; practical problems in the organization of business and its relation to the public. Prerequisite: General Economics. (Not given in 1925-26.) Six semester-hour credits. Professor DONALDSON.

### *Third Section. Primarily for Graduates.*

54. *Seminar*.—Special study of principles and advanced problems of commerce, involving presentation and round-table discussion of chapters from Masters' and Doctors' theses in course of preparation, reviews and special papers based on original research by advanced students. Required for graduate students in Commerce. For admission to the Seminar, students should consult the instructor. Monday evening. Six semester-hour credits. Professor DONALDSON.

## ECONOMICS AND SOCIOLOGY

### *First Section. Primarily for Undergraduates.*

1. *General Economics*.—An outline course in the basic principles. The following topics suggest the scope of the course: value and price, organization of industrial enterprise, money and banking, international trade, interest, rent, profits, wages, etc. The study of these fundamental principles will be followed by consideration of several outstanding economic problems such as transportation, agriculture, mar-



keting, etc. Six semester-hour credits. Section A: *Mon., Wed. and Fri.* at 9.15. Assistant Professor BENNER. Section B: *Mon., Wed. and Fri.* at 10.15. Associate Professor SUTTON. Section C: *Tues., Thurs. and Sat.* at 10.15. Associate Professor SUTTON.

2. *General Economics.*—The purpose of this course is to give a general introduction to economic study. The course aims to meet the needs of those students who desire to take but one course in economics, and at the same time to prepare students for the further study of the subject in other courses. It undertakes an analysis of the present organization of industry, the mechanism of exchange, the determination of prices, and the distribution of income and wealth. Special emphasis will be placed upon the problems of rent, interest, wages, and profits. The course will be conducted by lectures, assigned readings, and discussions. Freshmen are not eligible for the course except by special permission of the instructor. Six semester-hour credits. *Mon., Wed. and Fri.* at 6.05. Assistant Professor BENNER.

*Second Section. For Undergraduates and Graduates.*

20. *General Sociology.*—An outline course in the principles of Sociology devoted mainly to the study of social behavior. In this phase of the work the student is expected to join the class in making careful observations of social conduct and in making a series of experiments adapted to the development of better technics in controlling social conduct. Not open to freshmen. *Mon., Wed. and Fri.* at 11.15. Six semester-hour credits. Professor KERN.

22. *General Sociology.*—An outline course in the principles of sociology devoted mainly to an examination of the organization of society and its ideals, with a study of the social systems, their functions, efficiencies and programs for their development. Prerequisite: Economics or Psychology. First half-year. *Tues. and Thurs.,* 5.10 p. m. Two semester-hour credits. Professor KERN.

23. *Modern Social Problems.*—A further analysis of modern social conditions with special studies of current questions in sociology. Prerequisite: The course in general sociology. Second half-year. *Tues. and Thurs.,* 5.10 p. m. Two semester-hour credits. Professor KERN.

24. *The History of Economic Thought.*—A review of the development of economics as a science from the earliest times to the present. Lectures and library readings. Three hours. First half-year. *Mon., Wed. and Fri.,* 5.10 p. m. Prerequisite: General Economics. Professor KERN.

25. *Economic Problems.*—An advanced course devoted to a more thorough study of the problems developed in the general course in economics. Research and preparation of papers to be presented to the class for discussion and criticism. Second half-year. *Mon., Wed.*

and *Fri.*, 5.10 p. m. Prerequisite. General Economics. Professor KERN.

26. *Public Finance*.—A course in the development of budgetary and fiscal methods and principles. The history and tendencies of public expenditure under the Federal and State Governments. The theory of taxation; administration of public domains and industries; public debts. Second half-year. *Tues.* and *Thurs.*, 6.05 p. m. Two semester-hour credits. Professor KERN.

27. *Money and Banking*.—The history and theory of money; the production of the precious metals; the theory of prices and measurement of price fluctuations; monetary systems; the relation of the Treasury system to our money supply; the theory of credit and banking; the national system of the United States and the banking systems of foreign nations. First half-year. *Tues.* and *Thurs.*, 6.05 p. m. Two semester-hour credits. Professor KERN.

29. *Money and Banking*.—An introductory course presenting the theory and history of money; basic principles of credit and their application to business through the various types of banking institutions; a general view of banking systems of the world with particular reference to the Federal Reserve system in the United States. Prerequisite: General Economics. First semester. *Mon., Wed.* and *Fri.* at 11.15. Three semester-hour credits. Associate Professor SUTTON.

30. *Public Finance*.—A course designed to survey the principles employed by governments in securing and spending funds required for operation and development; special emphasis upon taxation, borrowing and budget-making. Prerequisite: General Economics. Second semester. *Mon., Wed.* and *Fri.* at 11.15. Three semester-hour credits. Associate Professor SUTTON.

31. *Banking Operation*.—Operation of various departments of a bank; relations with other banks; administrative problems; selection of business; banking needs of local community; investment management; discount policies. First semester. *Mon., Wed.* and *Fri.* at 5.10. Three semester-hour credits. Prerequisite: Economics 27 or 29 or equivalent. Associate Professor SUTTON.

33. *Federal Reserve System*.—The principles of central reserve banking; brief history of evolution of the Federal Reserve system; its present organization and operation with emphasis upon the elasticity of its lending power, its selective power, and the effectiveness of its discount and open market operations; the extent to which its facilities are utilized. Prerequisite: Economics 27 or 29 or equivalent. Second semester. *Mon., Wed.* and *Fri.* at 5.10. Three semester-hour credits. Associate Professor SUTTON.

34. *International Finance*.—Basic principles of international credit and exchange with particular reference to the conditions created by



the World War; structure of international credit; foreign exchange rates; gold movements; limits of national credit; depreciated currencies; problem of reestablishing credit basis. Prerequisite: Economics 27 or 29 or equivalent. Second semester. *Tues., Thurs. and Sat.* at 9.15. Three semester-hour credits. Associate Professor SUTTON.

35. *Corporation Finance*.—A study of the financial structure and problems of modern business corporations; securities and their variation in risk and control; mergers; receiverships; reorganization. Prerequisite: Economics 1 or 2. First semester. *Tues., Thurs. and Sat.* at 9.15. Three semester-hour credits. Associate Professor SUTTON.

36. *Social Service Case Work*.—Lectures and forty-five hours of field work. Second semester. *Tues. and Thurs.* at 5.10. Three semester-hour credits. Miss DINWIDDIE.

37. *Child Welfare*.—Planned for social workers. First semester. *Tues. and Thurs.* at 6.05. Two semester-hour credits. Miss LUNDBERG.

38. *Community Organization*.—A study of community resources for social work. Second semester. *Tues. and Thurs.* at 6.05. Two semester-hour credits. Mr. HYDE.

40. *Economic Problems of Agriculture*.—This course makes an intensive study of a number of special problems relating to an agricultural policy for the United States. Such questions as agricultural tariffs, tenancy, land taxation, agricultural credit, land classification and the distribution of farm products will be considered. Special attention will be given to the consideration of the proper relation of the government to agriculture. *Tues., Thurs. and Sat.* at 5.10. First half-year. Three semester-hour credits. Assistant Professor BENNER.

41. *Price Movements and Business Cycles*.—This course begins with a study of the factors determining the general level of prices. Then the interrelation of price movements to the business cycle and the state of industrial activity will be set forth. Such schemes for stabilizing prices as "managed currency," "the compensated dollar," and "credit control" will be examined. Considerable attention throughout the course will be given to an examination of the various methods employed in forecasting price movements. Lectures, assigned readings and discussions. Second half-year. *Tues., Thurs. and Sat.* at 5.10. Three semester-hour credits. Assistant Professor BENNER.

43. *Combinations, Trusts*.—A discussion of the conditions which have favored the growth of large business combinations, the nature of their organization, their influence upon prices and productive efficiency, and the regulation and supervision of them. First half-year. *Mon. and Fri.*, 9.15 a. m. Two semester-hour credits. Professor KERN.

44. *Labor Problems*.—A brief sketch of the labor movement in the United States and of the aims and methods of trade unions, followed

by a discussion of such problems as: child labor; dangerous occupations; workmen's insurance against sickness, old age, accident, and unemployment; strikes and industrial conflicts; conciliation and arbitration; collective bargaining. Second half-year. *Mon. and Fri.*, 9.15 a. m. Two semester-hour credits. Professor KERN.

45. Elements of statistical methods, including definition and isolation of the problem, collection of material, classification and tabulation, diagrams and graphs, types, dispersion, correlation, error, processes of smoothing, during the first semester. A brief study of index numbers, and an application of elementary statistical methods to some field of inquiry, during the second semester. *Tues., Thurs. and Sat.*, 5.10 p. m. Six semester-hour credits. Doctor PHILLIPS.

46. A study of curve fitting in which equations of the first and higher orders are used. Development of formulas for the solution of higher order equations. Regression values and correlation. Partial correlation, total correlation, and regression equations. Correlation ratios and their parabolic and cubic regressions. The probability curve, its use, probable error and tests of reliability. An application of each topic to some statistical problem. Prerequisite: Economics 45 or its equivalent. *Tues. and Thurs.*, 7.30 p. m. Given in 1925-26. Six semester-hour credits. Doctor PHILLIPS.

47. A preliminary study of the recognized processes of smoothing data for elimination of trend, seasonal effects. Probability distributions and error of sampling. Vital statistics, including enumeration and registration; birth, death, and marriage rates; methods of adjustment, morbidity rates, and the general application of statistical methods to the field of public health. Prerequisite: Economics 45, or its equivalent. *Tues. and Thurs.*, 7.30 p. m. Given in 1924-25. Six semester-hour credits. Doctor PHILLIPS.

#### *Third Section. Primarily for Graduates.*

51. *Seminar in Sociology*.—A research course for the detailed investigation of special sociological problems, suitable for those who are engaged in original investigation or in the preparation of a thesis. Hours to be arranged. Six semester-hour credits. Professor KERN.

### EDUCATION

#### *First Section. Primarily for Undergraduates.*

3 or 6. *Junior High School Geography*.—Same as Geology 3, Principles of Geography, and Geology 6, Human Geography, which are especially adapted to the needs of teachers.

10. *Americanization*.—The teaching of English to foreigners. Two semester-hour credits. (Not given 1925-26.) Miss CLARK.

16. *Junior High School Mathematics*.—Course of study, subject-matter, text-books, and methods of presentation. First semester. Two semester-hour credits. (1924-25.) Miss CRAIG.



*Second Section. For Undergraduates and Graduates.*

20a. *Principles of Teaching*.—A comprehensive course in the principles underlying the teaching process in its intellectual, emotional and motor phases. Special attention is given to making teaching concrete and meaningful. First semester. *Mon., Wed. and Fri.*, 9.15 a. m. Three semester-hour credits. Professor RUEDIGER.

20b. *Principles of Education*.—A comprehensive course in the bases, aims, values and essential content of education as revealed by biological, psychological, sociological and ethical principles. Second semester. *Mon., Wed. and Fri.*, 9.15 a. m. Three semester-hour credits. Professor RUEDIGER.

21a. *Principles of Education*.—A brief course in the bases, aims, values and essential content of education as revealed by biological, psychological, sociological and ethical principles. First semester. *Sat.*, 9.15–11.15. Two semester-hour credits. Professor RUEDIGER.

21b. *Principles of Teaching*.—A brief course in the psychological and logical principles underlying the teaching process. Second semester. *Sat.*, 9.15–11.15. Two semester-hour credits. Professor RUEDIGER.

(Courses 20 and 21 should be preceded or accompanied by general psychology. Course 21 is designed especially for teachers in service.)

22. *History of Education*.—A brief course in the historical development of educational theory and practice. First semester. *Mon., Wed. and Fri.* at 10.15 a. m. Three semester-hour credits. Assistant Professor POWERS.

24. *History of American Education*.—A study of the development of American education from colonial times to the present. Second semester. *Mon., Wed. and Fri.* at 10.15 a. m. Three semester-hour credits. Assistant Professor POWERS.

25. *Secondary Education*.—First semester: (a) A study of the administrative and pedagogical aspects of the Junior High School. Second semester: (b) The Senior High School. *Mon., Wed. and Fri.*, 5.10 p. m. Six semester-hour credits. Assistant Professor POWERS.

26. *Educational Tendencies*.—A study of such recent developments as the Dalton plan, the Winnetka plan, and the platoon system. Attention will be given to European experimental schools. Lectures, reading and reports. *Tues. and Thurs.* at 5.10 p. m. Four semester-hour credits. Mr. DEFFENBAUGH.

27. *School Administration*.—The public school system: its development; economic and political relations; organization of administration, financial and educational; problems of administration. First semester. *Mon., Wed. and Fri.*, 6.05 p. m. Three semester-hour credits. Assistant Professor POWERS.

28. *Supervision of Instruction*.—Second semester. *Mon., Wed. and Fri.*, 6.05 p. m. Three semester-hour credits. Assistant Professor POWERS.

29a. *Psychology of Childhood*.—This course aims to present the facts concerning the nature and development of the mental life of children from early childhood through adolescence and to point out the practical application of these facts to teaching. The course includes a consideration of individual differences, heredity, instincts and emotions, habit, play, moral development and training. A study will be made of children's faults, the "gang," discipline, obedience, and punishment. The contrasts in mental functioning of children and adults will be made in attention, perception, memory, imagination, and thinking. Lectures, discussions, readings and observations. First semester. *Sat.*, 9.15–11.15. Two semester-hour credits. Miss LA SALLE.

29b. *The Exceptional Child*.—The object of this course is to acquaint teachers with a scientific background for the classification and educational treatment of children. A study will be made of the deviates from the normal, such as, gifted, backward, feeble-minded and neurotic children, as well as those who are morally and socially inadequate. This course includes the study of the standard intelligence tests, performance tests and other methods of measuring these individual differences. Opportunity for giving and scoring tests and evaluation of data will be given. Second semester. *Sat.*, 9.15–11.15. Two semester-hour credits. Miss LA SALLE.

32. *History of Education*.—First semester, ancient and medieval education. Second semester, modern education. (Not given 1925–26.) Four semester-hour credits.

33. *Women and Social Culture*.—The position and education of women in history; the relation of women to the new economic and social conditions: the nature, opportunities and income of the vocations most frequently entered by university graduates. Limited to twenty students with the permission of the instructor. Prerequisite: General Psychology. *Tues.* and *Thurs.*, 9.15. Four semester hours. Dean ROSE.

34. *Observation*.—Observation of experienced teachers, under guidance, followed by discussion. The course should normally be taken in the junior year. Two semester-hour credits. Assistant Professor POWERS.

35. *Practice Teaching*.—Teaching under supervision and criticism. The course should normally be taken in the senior year. Two semester-hour credits. Assistant Professor POWERS.

36. *American Education*.—A study of the American educational system from the standpoint of its historical development. (Not given 1925–26.) Two semester-hour credits.

38. *Foreign Education*.—A study of the educational systems of Great Britain, continental Europe, and Latin America, with special reference to recent developments. Second semester. (Not given 1925–26.) Two semester-hour credits.



45. *Statistical Methods*.—Same as Economics 45. *Tues., Thurs. and Sat.* at 5.10 p. m. Six semester-hour credits. Doctor PHILLIPS.

*Third Section. Primarily for Graduates.*

50. *Seminar*.—Topic for 1925-26: Curriculum Construction. (a) First semester: The historical development of the curriculum in elementary, secondary, and higher schools. (b) Second semester: A review of the literature on curriculum construction with special reference to underlying principles. A paper embodying constructive scholarship will be required of each member of the class. *Tues. and Thurs.* at 6.05 p. m. Six semester-hour credits. Professor RUEDIGER.

52. *Seminar*.—Topic for 1925-26: High School Administration. The principalship; the high school population; elimination from school; vocational education and guidance; extra-curricular activities; the teaching schedule; community relationships; buildings and costs. Text, research problems, and reports. *Tues. and Thurs.* at 5.10 p. m. Six semester-hour credits. Assistant Professor POWERS.

## ELECTRICAL ENGINEERING

*First Section. Primarily for Undergraduates.*

1. *Engineering Electricity*.—General course in Electrical Engineering for non-electrical students, including a study of magnetism, electromagnetism, direct currents, direct current machinery, alternating current theory, alternating current machinery, and the more important applications of direct and alternating currents. The entire scope of electrical engineering is covered as completely as time will permit, including inspection of operating power plants. Prerequisites: Physics 1, 2. Two hours. Four semester-hour credits. Assistant Professor AMES.

2. *Direct Current Theory; Dynamo Machinery, Alternating Current Theory*.—A comprehensive course beginning with magnetism, electromagnetism, theory of direct currents, direct current instruments and machinery, storage batteries, arc lamps and other applications of direct currents.

During the second semester the theory of simple and complex alternating current circuits and the application of complex numbers and vectors are taken up in preparation for alternating current machinery the following year. Problems involving the theory studied are assigned from Lyon's "Problems in Electrical Engineering." Prerequisites: Physics 1, 2; Mathematics 18; Calculus. Three hours. Six semester-hour credits. Assistant Professor AMES.

4. *Electrical Laboratory*.—A combined course in measurements and dynamo laboratory paralleling the classroom work in E. E. 1 and 2.

Representative experiments are assigned in the testing of various instruments, motors, generators, arc lamps, fuses and circuit breakers. A complete report covering all work done and results obtained with a discussion thereof is required. This will consist of a preliminary report which must be submitted and approved at least one day prior to performance and a final report showing experimental data and calculated results therefrom with discussion. One laboratory period per week throughout the year. Credit given is based on work done under supervision in the laboratory and outside in the working up of results. Four semester-hour credits. Prerequisites: E. E. 2 or equivalent. Assistant Professor AMES and Mr. CAMPBELL.

5. *Electrical Laboratory*.—A course for non-electrical students. Similar to E. E. 4 but embodying experiments in alternating currents and alternating current machinery during the second semester. The same requirements as to reports, procedure, credits, etc., as in E. E. 4 apply. Course to be taken the year following E. E. 1. Prerequisite: E. E. 1 or equivalent. Four semester-hour credits. Assistant Professor AMES and Mr. CAMPBELL.

*Second Section. For Graduates and Undergraduates.*

21. *Alternating Current Theory and Machinery*.—A continuation of E. E. 2, including a brief review of alternating current theory covered therein and a thorough study of synchronous generators, transformers, synchronous motors, rotary convertors, and various asynchronous machines, including single and polyphase induction motors, series and repulsion motors. Problems involving the theory studied are taken from Lyon's "Problems in Alternating Current Machinery."

An insight into actual engineering practice is obtained from current engineering journals and inspection of power plants. Prerequisites: Physics 1, 2; E. E. 2. Four hours. Eight semester-hour credits. Assistant Professor AMES.

22. *Electrical Distribution*.—A course covering the more important phases of the distribution of electricity for light and power, such as systems of distribution, voltage regulation, substations, distribution lines and cables, metering and transformer practice; problems and references to current technical literature on the subject. Prerequisites: E. E. 2, concurrently with E. E. 21. Two hours. First half-year. Two semester-hour credits. Doctor MEYER.

23. *Elements of Transmission*.—A course covering the elements of high tension transmission theory and practice for short and long lines, induction and capacitance, charging current, corona, and methods for calculating voltage and power loss in lines, sags, and mechanical construction. Prerequisites: E. E. 2, E. E. 22 and E. E. 21, or concurrently with the latter. Two hours. Second half-year. Two semester-hour credits. Doctor MEYER.



24. *Advanced Electrical Laboratory*.—A continuation of E. E. 4 with experiments on alternating current circuits and machinery, including watt hour-meters, transformers, synchronous and asynchronous motor generators and motors. The same requirements as to reports. Performance and other work, and credits as followed in E. E. 4 apply. Prerequisites: E. E. 4 or equivalent; E. E. 21 or concurrently therewith. Assistant Professor AMES and Mr. CAMPBELL.

26. *Theory and Practice of Hydro-Electric Stations*.—A course for seniors in Electrical Engineering dealing with present-day theory and practice in Hydro-Electric Engineering, including so much of hydraulics as is essentially applied and electrical equipment required for a complete hydro-electric station and system. Familiarity with development as set forth in accepted current electrical periodicals and journals will be required. Two hours. Second half-year. Two semester-hour credits. Prerequisites: App. Math. 21, E. E. 1 or 21, or concurrently therewith. Assistant Professor AMES.

27. *Electric Railways*.—A course for seniors in Electrical Engineering covering the theory and practice of modern direct and alternating current railways. Familiarity with development as set forth in accepted current railway journals will be required. Two hours. Second half-year. Two semester-hour credits. Prerequisites: E. E. 21 or concurrently. Assistant Professor AMES.

28. *Telephones*.—A course for Electrical Engineering seniors covering briefly the fundamental principles of existing systems and taking up more fully automatic or machine switching systems, both step-by-step and panel type. Inspections of modern exchanges are made. Prerequisite: E. E. 2. Two hours a week. Two semester-hour credits. Assistant Professor AMES.

29. *Illumination*.—A study of the principles and practices of scientific illumination, exterior and interior. Detailed study is made of various light sources, lamps, shades, reflectors, etc. Two hours. First half-year. Two semester-hour credits. Prerequisite: Physics 1 or 3. Assistant Professor AMES.

30. *Electrical Design*.—A course for Electrical Engineering seniors covering principles of design with reference to materials of construction, and electrical equipment. Practical exercises are assigned in connection with class-room work. Prerequisite: E. E. 21 or concurrently. Two hours with one three-hour drafting room period. First half-year. Three semester-hour credits. Assistant Professor AMES.

#### *Third Section. Primarily for Graduates.*

50. *Radio-Electricity*.—A mathematical treatment of the fundamental principles with an exposition of their application to present-day practice. Problems based on the methods used and the apparatus

employed in the generation of oscillatory currents; the reception of signals; and other features developed in the utilization of this method of transmission will be discussed. Six semester-hour credits, as a Minor; ten semester-hour credits, as a Major. Professor COHEN.

51. *Transient Electric Phenomena*.—A course introductory to the more advanced problems in electrical engineering practice. Simple transients, distributed line constants, the equations of the transmission line, waves along wires and radiation. The course is based on Steinmetz's "Transient Electric Phenomena and Oscillations." Prerequisites: E. E. 21, 22, 23. Two hours throughout the year. Four semester-hour credits. Doctor MEYER.

## ENGLISH

### *First Section. Primarily for Undergraduates.*

1. *English Rhetoric*.—A study of the principles of self-expression through language, with practice in composition. Lectures and Quiz sections. *Tues., Thurs. and Sat.*, 10.15 a. m. Six semester-hour credits. Professor WILBUR, Mr. BROSS, Miss ROSE, Mr. SMITH, Mr. ANDERSON and Mr. BAKER.

2. *English Rhetoric*.—Parallel with Course 1. *Mon., Wed. and Fri.*, 5.10 p. m. Six semester-hour credits. Professor WILBUR and Mr. BROSS.

5. *Survey of English Literature*.—Lectures and Quiz sections. *Tues., Thurs. and Sat.*, 9.15 a. m. Six semester-hour credits. Associate Professor BOLWELL, Mr. SMITH, Mr. ANDERSON and Mr. BAKER.

6. *Survey of English Literature*.—Parallel with Course 5. Lectures and Quiz sections. *Mon., Wed. and Fri.*, 6.05 p. m. Six semester-hour credits. Associate Professor BOLWELL, Mr. SMITH, Mr. ANDERSON and Mr. BAKER.

7. *Types of Literature*.—Lectures and Quiz sections. *Mon., Wed. and Fri.*, 9.15 a. m. Six semester-hour credits. Professor CROISSANT.

8. *Types of Literature*.—Parallel with Course 7. *Tues., Thurs. and Sat.* at 5.10 p. m. Six semester-hour credits. Professor CROISSANT.

9. *English Composition*.—Six semester-hour credits. Section A: *Tues., Thurs. and Sat.*, 11.15 a. m. Mr. SMITH. Section B: *Tues., Thurs. and Sat.*, 6.05 p. m. Mr. BROSS.

### *Second Section. For Undergraduates and Graduates.*

Note.—English 5, 6, 7 or 8 is prerequisite for all second-section courses in literature.

23. *The Development of the Novel*.—The evolution of prose fiction from mediaeval romance to the modern novel. Not given 1925-26. Six semester-hour credits. Associate Professor BOLWELL.



24. *American Literature*.—*Mon., Wed. and Fri.*, 10.15 a. m. Six semester-hour credits. Professor CROISSANT.

26. *History of the English Language*.—*Tues., Thurs. and Sat.*, 6.05 p. m. Six semester-hour credits. Mr. ANDERSON.

27. *Anglo-Saxon Grammar and Literature*.—First semester, grammar and prose readings; second semester, *Beowulf* and other poetry. *Tues., Thurs. and Sat.*, 5.10 p. m. Six semester-hour credits. Mr. ANDERSON.

28. *Middle English and Chaucer*.—First semester, twelfth and thirteenth century literature; second semester, Chaucer and his contemporaries. Not given 1925-26. Six semester-hour credits. Mr. ANDERSON.

30. *Renaissance and Elizabethan Literature*.—*Mon., Wed. and Fri.*, 5.10 p. m. Six semester-hour credits. Associate Professor BOLWELL.

31. *English Drama to 1642*.—From the beginning, exclusive of Shakespeare, to the closing of the theatres. *Tues., Thurs. and Sat.*, 10.15 a. m. Six semester-hour credits. Associate Professor BOLWELL.

32. *Shakespeare* (1).—The first eighteen plays in chronological sequence through King Henry the Fifth. Not given 1925-26.

(3) The Comedies in chronological sequence. *Mon., Wed. and Fri.*, 6.05 p. m. First semester. Three semester-hour credits. Professor WILBUR.

(4) The Tragedies in chronological sequence. *Mon., Wed. and Fri.*, 6.05 p. m. Second semester. Three semester-hour credits. Professor WILBUR.

33. *English Drama Since 1660*.—Not given 1925-26. Six semester-hour credits. Professor CROISSANT.

36. *Age of Dryden and Pope*.—English literature from 1660 to 1750, exclusive of the drama. Not given 1925-26. Six semester-hour credits. Professor CROISSANT.

38. *The Romantic Movement*.—English poetry and prose of the late eighteenth and early nineteenth centuries. *Mon., Wed. and Fri.* at 4 p. m. Six semester-hour credits. Mr. SMITH.

39. *Wordsworth*.—"The Prelude or Growth of a Poet's Mind; an Autobiographical Poem." First half-year. *Mon., Wed. and Fri.* at 10.15 a. m. Three semester-hour credits. Professor WILBUR.

40. *Browning*.—"The Ring and the Book." Second half-year. *Mon., Wed. and Fri.* at 10.15 a. m. Three semester-hour credits. Professor WILBUR.

42. *English Literature Since 1890*.—*Tues. and Thurs.* at 4 p. m. Four semester-hour credits. Mr. BAKER.

45. *Advanced Composition*.—Including the Short Story. *Mon., Wed. and Fri.* at 9.15 a. m. Six semester-hour credits. Mr. BROSS.

46. *Journalism*.—Mon., Wed and Fri., 11.15 a. m. Six semester-hour credits. Mr. BROSS.

47. *Journalism*.—The fundamentals of newspaper writing. *Mon., Wed. and Fri.*, 5.10 p. m. Six semester-hour credits. Mr. CHACE.

*Third Section. Primarily for Graduates.*

52. *Studies in Elizabethan Literature*.—Open to students only with consent of instructor. Time of meeting to be arranged. Associate Professor BOLWELL.

55. *English Comedy Since 1660*.—This course should be taken only by those who have time to use the Library of Congress. Hours to be arranged. Six semester-hour credits. Professor CROISSANT.

### ETHNOLOGY

*Second Section. For Undergraduates and Graduates.*

20. *General Introduction to Ethnology*.—A general course embracing man's place in nature; ancient man; the elements of physical anthropology; the application of statistical methods to physical anthropology; classification of living races; sociology, religious ideas, ethical ideas, and languages of primitive peoples; the beginnings of literature and art; linguistic survey of the world; ethnological survey of the world; discussion of the problems of independent origins versus diffusion; the classical British, Graebnerian, and American schools. Lectures and collateral readings. *Tues., Thurs. and Sat.*, 5.10 p. m. Six semester-hour credits. Professor MICHELSON.

*Third Section. Primarily for Graduates.*

51. *Outlines of North American Ethnology*.—As full a description of the aborigines of North America as the time will permit. Lectures and assigned readings. *Mon. and Wed.*, 5.10 p. m. Four semester-hour credits. Professor MICHELSON.

52. *American Indian Languages*.—This is an introductory course, and presupposes only a moderate amount of previous linguistic training. After a brief introduction to the subject, two stocks will be studied, one in each half-year. *Two hours a week*. Four semester-hour credits. Professor MICHELSON.

53. *American Indian Languages* (second course).—This is an advanced course, and members must have taken Course 52, unless they have done an equivalent elsewhere. *One hour a week*. Two semester-hour credits. Professor MICHELSON.

54. *Seminar in Ethnology*.—Competent students will be assigned topics, and the results discussed at a weekly meeting. Six semester-hour credits. Prerequisite: Course 20 with grade of A or B, or other evidence of previous training satisfactory to the instructor. This



course may be taken four times, counting each time. The subject-matter will be changed yearly. This will be in accordance with the needs of individual students. Professor MICHELSON.

## FRENCH

See Romance Languages.

## GEOLOGY AND MINERALOGY

### *First Section. Primarily for Undergraduates.*

1. *Mineralogy*.—Crystallographic, descriptive, and determinative mineralogy. This course is designed with especial reference to minerals as rock constituents or segregated as ore deposits. It includes, therefore, a discussion of not merely the crystallographic and theoretical, but the practical side of the subjects as well. Whenever possible, it should be considered as introductory to the courses in either systematic or economic geology. *Mon. and Fri.*, 5.10 p. m. Four semester-hour credits. Professor BASSLER and Doctor RESSER.

2. *General Geology*.—Systematic geology; dynamical, structural, and stratigraphical. The course is designed to form a part of a general culture course or a preliminary course for those intending to make a specialty of geology. It includes lectures, recitations, laboratory and field work so far as hours will permit. Paleontology is treated as a branch of geology, having especial reference to stratigraphy and correlation. Text-book: Cleland's *Geology*. *Mon. and Fri.*, 6.05 p. m. Four semester-hour credits. Professor BASSLER and Doctor RESSER.

3. *General Geography*.—This course presents the principles of geography by a study of the phenomena of the earth as a whole, the interrelations of these phenomena and their influence upon human affairs. It consists of two parts: first, a study of the general geographic principles; and second, a brief survey of several regions and countries for the application of these principles. It is a general culture lecture course illustrated by charts and lantern slides. No course is prerequisite. *Wed.*, 6.05 p. m. Two semester-hour credits. Doctor RESSER.

6. *Human Geography*.—A general culture course in the newer treatment of geography. Human geography has as its object the study of the relationships between human activity and the phenomena of physical geography. It is of particular value in broadening one's ideas and in the study of such human subjects as History and Sociology. *Wed.*, 5.10 p. m. Two semester-hour credits. Doctor RESSER.

12. *Engineering Geology*.—This course is intended primarily for civil engineers and others interested in applied geology. The work covers the general principles of geology with special emphasis upon

those relating to engineering problems. The structure of rocks relative to building operations, the controlling factors of water supply, water purification and similar problems are discussed in detail. Text-book: *Engineering Geology* by Ries and Watson. *Mon. and Fri.*, 4.20 p. m. Four semester-hour credits. Doctor RESSER.

*Second Section. For Undergraduates and Graduates.*

20. *Economic Geology*.—[Geology 1 and 2 and Chemistry 1 are prerequisite for this course.] The course covers the subjects comprised under: (1) Mineral veins and metalliferous deposits, their mode of occurrence, origin, and classification; (2) the ores of iron, copper, lead, zinc, tin, silver, gold, mercury, antimony, etc.; and (3) the non-metallic minerals as the coals and hydrocarbon compounds; salts and minerals used in chemical manufactures; abrasive, refractory, and fictile materials, pigments, gems, ornamental stones, building stones, limes, cements, and mineral waters. Text-book; Ries' *Economic Geology*. Given in alternate years. Six semester-hour credits. Professor BASSLER.

22. *Paleontology*.—A course in lecture and laboratory work on the biological and geological relations of the more important types of animals and plants, with especial reference to their value in stratigraphic geology. Six semester-hour credits. Professor BASSLER.

23. *Advanced Historical Geology*.—A lecture, laboratory and field course dealing with the interpretation of earth history as recorded in the physical features of the formations of the earth's crust, the physiographic forms developed upon them and the characteristic life remains present in many of them. Given in alternate years. Six semester-hour credits. Professor BASSLER.

24. *Geography of the Mediterranean Lands*.—Human activities have centered about the Mediterranean Sea since man first developed civilization. Modern geography is concerned with the reactions of man to his surroundings, and this region offers much in explanation of human activities and history. Prerequisite: Courses in Geology or Geography and Mediaeval or Ancient History. Four semester-hour credits. *Mon. and Fri.* at 5.10 p. m. Doctor RESSER.

*Third Section. Primarily for Graduates.*

50. (A) *Advanced Geology*; (B) *Mineralogy*; (C) *Paleontology*.—Advanced courses in these subjects may be arranged for competent students. Six semester-hour credits. Professor BASSLER.

51. *Advanced Geography*.—Advanced courses may be arranged in this subject for qualified students. Six semester-hour credits. Doctor RESSER.



## GERMANIC LANGUAGES AND LITERATURE

*First Section. Primarily for Undergraduates.*

1. *Elementary*.—The essentials of German grammar, translation of easy prose and poetry; beginning conversation; composition and dictation. This course is open to beginners, and the work done is equivalent to that of a two years' course in high schools and academies of good standing. Section A: *Mon., Wed. and Fri.*, 10.15 a. m. Section B: *Tues., Thurs. and Sat.* at 9.15. Six semester-hour credits. Mr. GROPP.

2. Parallel with Course 1. Section A: *Mon., Wed. and Fri.*, 5.10 p. m. Section B: *Tues., Thurs. and Sat.*, 5.10 p. m. Six semester-hour credits. Mr. GROPP.

3. Selected texts from the best contemporary authors will be read and one or more of the German classics carefully studied. The work in grammar and composition done in elementary German will be continued, with special emphasis on syntax, word-formation, and the relationship of German and English; conversation continued. This course is equivalent to the advanced German of the admission requirements, and it is open only to students who have passed Course 1 or 2, or who have satisfied the admission requirement in elementary German. *Mon., Wed. and Fri.*, 11.15 a. m. Six semester-hours credits. Mr. GROPP.

4. Parallel with Course 3.—Contemporary German is read during the first half-year and classical during the second half-year. *Mon., Wed. and Fri.*, 6.05 p. m. Six semester-hour credits. Mr. GROPP.

6. *Scientific and Technical German*.—Designed primarily for students in the scientific and engineering courses. This course may be taken by students who have passed Course 1 or 2, or who have satisfied the admission requirement in elementary German. *Tues., Thurs. and Sat.*, 6.05 p. m. Six semester-hour credits. Professor SCHMIDT.

7. Advanced course in German syntax; principal difficulties of the language; idioms, synonyms; translations of advanced English prose into German; essays; selected prose; classical and historical reading and literature; advanced science. Open to students who have passed Course 3 or 4 or 6 or have satisfied the admission requirement in advanced German. *Mon., Wed. and Fri.*, 1.45 p. m. Six semester-hour credits. Professor SCHOENFELD.

8. Parallel with Course 7, with special reference to advanced students both in the historic-political and the scientific departments. *Tues., Thurs. and Sat.*, 5.10 p. m. Six semester-hour credits. Professor SCHOENFELD.

*Second Section. For Undergraduates and Graduates.*

20. *Outline of the History of German Literature and Civilization from the Teutonic Origins to the Renaissance and Reformation*, with

reference to the emerging of the Germanic, Romance, and Slavic races. Anthology of the early literary monuments to the Minnesingers.—Lectures, extensive readings of the classics of the first period of bloom; advanced practice in writings, essays. *Mon., Wed. and Fri., 10.15 a. m.* Six semester-hour credits. Professor SCHOENFELD.

21. *German Literature of the Second Classic Period at Its Zenith.*—Lessing's Life and Work; Goethe's work in the Natural Sciences; Schiller's drama at its zenith; Goethe's and Winckelmann's influence on German art; with special reference to the modern drama; Goethe's Faust, as a special critical and philosophical study; classical ballad and lyric poetry; renaissance of the German volkslied in the eighteenth and nineteenth centuries. *Mon., Wed. and Fri., 5.10 p. m.* Six semester-hour credits. (Not given in 1925-26.) Professor SCHOENFELD.

22. *The Currents of German Literature from the Beginning of the Nineteenth Century Until 1870.*—Romanticism, its social and political aspects; Modern German Drama, with special emphasis on Kleist, Grillparzer, Hebbel; Lyrics and Ballads; Uhland and Heine. *Mon., Wed. and Fri., 5.10 p. m.* Six semester-hour credits. Professor SCHOENFELD.

#### *Third Section. Primarily for Graduates.*

50. *Seminar in the History of Middle High German Literature*, with special reference to the Epic and Lyrical Poetry in the Twelfth and Thirteenth Centuries. Introduction to scientific methods of historical and literary research in the Nibelungenlied and the Gudrunsa. Six semester-hour credits. Professor SCHOENFELD.

51. *Gothic.*—Introduction to comparative Indo-European Grammar. Six semester-hour credits. Professor SCHMIDT.

52. *Old High German.*—The development of the German language. Six semester-hour credits. Professor SCHMIDT.

Only one of the foregoing two courses (51, 52) is given in any one year.

For notice of the Richard Heinzel Germanic Library, see page 11.

### HISTORY

NOTE: Students may take for credit but one of the following courses in Mediaeval History: 1 and 2, 7, 11, 35; in Modern History: 3 and 4, 8, 12, 31 and 32; in American History: 9a, 10, 30.

Students majoring in History will be required for graduation to have covered the foundation courses in Ancient, Mediaeval and Modern European History, and American History; and to have had one advanced course of the type of 43, 54, 55 or 56. Departure from this requirement will be allowed only in most exceptional cases with consent of the head of the department.



*First Section. Primarily for Undergraduates.*

3. *Modern European History*.—A study of the European States under the new conditions resulting from the discovery of America and the opening of the oriental trade routes, extending through the period of the French Revolution; texts, lectures and collateral readings. First half-year. *Mon., Wed. and Fri.*, 3.45 p. m. Three semester-hour credits. Professor SWISHER.

4. A continuation of the preceding through the revolutionary movements of the nineteenth century with a more detailed study of recent issues; texts, lectures and collateral readings. Second half-year. *Mon., Wed. and Fri.*, 3.45 p. m. Three semester-hour credits. Professor SWISHER.

5. *Ancient History*.—A study of the history of the ancient Oriental peoples, and of Greece. First half-year. *Tues., Thurs. and Sat.*, 9.15 a. m. Three semester-hour credits. Associate Professor KAYSER.

6. *Ancient History*.—Roman history from the beginnings to the fall of the Western Empire. Second half-year. *Tues., Thurs. and Sat.*, 9.15 a. m. Three semester-hour credits. Associate Professor KAYSER.

7. *General European History*.—Mediaeval Europe from the decline of the Roman Empire to the age of geographical exploration. Primarily for freshmen. First half-year. Three semester-hour credits. *Mon., Wed. and Fri.*, 9.15 a. m. Mr. RAGATZ.

8. *General European History*.—Modern Europe from the Age of Discovery to the Great War. Primarily for freshmen. Second half-year. Three semester-hour credits. *Mon., Wed. and Fri.*, 9.15 a. m. Mr. RAGATZ.

9. *American History*.—A general introductory course in the history of the United States. Text, lectures, assigned reading, and reports. Six semester-hour credits. *Mon., Wed. and Fri.*, 10.15 a. m. Professor BEMIS.

10. *American History*.—Parallel with Course 9. *Mon., Wed. and Fri.*, 5.10 p. m. Six semester-hour credits. Professor BEMIS.

11. *General European History*.—Parallel with Course 7. First half-year. *Tues., Thurs. and Sat.*, 5.10 p. m. Three semester-hour credits. Mr. RAGATZ.

12. *General European History*.—Parallel with Course 8. Second half-year. *Tues., Thurs. and Sat.*, 5.10 p. m. Three semester-hour credits. Mr. RAGATZ.

*Second Section. For Undergraduates and Graduates.*

22. *American History*.—The United States, 1783–1860. Text, lectures and collateral reading. A general acquaintance with American history is presupposed. *Tues., Thurs. and Sat.*, 10.15 a. m. Six semester-hour credits. Professor CHURCHILL. (Not given in 1925–26.)

23. *American History*.—The Colonial Period to 1783. Second half-year. *Mon., Wed. and Fri.*, 2.45 p. m. Three semester-hour credits. Professor CHURCHILL. (Not given in 1925-26.)

24. *American History*.—United States history since 1860. Second half-year. *Mon., Wed. and Fri.*, 2.45 p. m. Three semester-hour credits. Professor CHURCHILL. (Not given in 1925-26.)

25. *English History*.—A general course in English history with special attention to constitutional and political development. Texts, lectures and collateral reading. *Mon., Wed. and Fri.*, 5.10 p. m. Six semester-hour credits. Professor CHURCHILL.

26. *American History*.—The History of the West. Lectures, collateral reading, and reports. A general acquaintance with American History is presupposed. *Mon., Wed. and Fri.*, 6.05 p. m. Six semester-hour credits. Professor CHURCHILL.

27. *Latin-American History*.—The history of colonial Latin-America, with special reference to European conditions, and of the principal Latin-American countries to the present time. Lectures, texts and reports on collateral reading. First half-year. *Mon., Wed. and Fri.*, 2.45 p. m. Three semester-hour credits. Professor CHURCHILL. (Not given in 1925-26.)

28. *English History*.—Parallel with Course 25. *Tues., Thurs. and Sat.*, 11.15 a. m. Professor CHURCHILL.

29. *Ancient History*.—An advanced course for students who have completed Courses 5 and 6, or who otherwise satisfy the instructor of their fitness to pursue the course. Six semester-hour credits. Associate Professor KAYSER. (Not given in 1925-26.)

30. *American Constitutional History*.—A study of the origin and growth of constitutional representative government of the United States, giving special attention to the development of the Federal Constitution of 1789, and to its interpretation under the pressure of party issues. Lectures, text-books, and collateral readings. *Mon., Wed. and Fri.*, 6.05 p. m. Six semester-hour credits. Assistant Professor McARTHUR.

31. *Modern European History*.—A study of the French Revolution and subsequent reaction extending through the Revolution of 1848. First half-year. *Tues., Thurs. and Sat.*, 6.05 p. m. Three semester-hour credits. Professor SWISHER.

32. *Modern European History*.—From 1850 to the Great War. Second half-year. *Tues., Thurs. and Sat.*, 6.05 p. m. Three semester-hour credits. Professor SWISHER.

33. *Current History*.—A discussion of political questions of the day, with special reference to their origin and historical significance. Lectures throughout the year. *Sat.*, 11.15 a. m. Two semester-hour credits. Professor SWISHER.



34. *Mediaeval History*.—Mediaeval Institutions, with a study of the history of France and Italy from the Peace of Constance to the League of Cambray. Prerequisite: General European History. *Mon., Wed. and Fri.*, 2.45 p. m. Six semester-hour credits. Professor SWISHER.

35. *General History*.—Europe from the fall of the Empire of the West to the election of Charles V. Six semester-hour credits. Professor SWISHER and Assistant Professor McARTHUR. (Not given in 1924-25.)

36. *Diplomatic History of the United States*.—A general survey of the diplomacy of our nation, from the beginning to the present time. Lectures, text-books, readings, supplemented by an analysis of the machinery of American foreign relations and practical observations through the medium of various official organs and institutions existing in the District of Columbia. *Mon., Wed. and Fri.*, 9.15 a. m. Six semester-hour credits. Professor BEMIS.

37. *The Renaissance and the Reformation*.—A study of the beginnings of the Modern Period emphasizing the evolution of political, social, economic, religious, intellectual, and artistic ideas and institutions during the period. Prerequisite: Mediaeval and Modern History. *Mon., Wed. and Fri.*, 9.15 a. m. Six semester-hour credits. Associate Professor KAYSER.

38. *Revolutionary Europe*.—A study of the important transitions—political, social, economic and intellectual—that took place during the era of the French Revolution and of the domination of Napoleon. Prerequisite: Mediaeval and Modern History. Second half-year. Three semester-hour credits. Associate Professor KAYSER. (Not given 1925-26.)

39. *History and Historians*.—History: definitions, scope, methods; auxiliary sciences; theories of history; study of leading historians to determine their conceptions of history. First half-year. *Wed. and Fri.*, 4 p. m. Two semester-hour credits. Professor CHURCHILL.

40. *Modern European History*.—From 1815 to 1870. Prerequisite: General European History. First half-year. *Tues., Thurs. and Sat.*, 5.10 p. m. Professor SWISHER.

41. *Contemporary History*.—A study of the international relations which led to the Great War, with a survey of subsequent conditions. Second half-year. *Tues., Thurs. and Sat.*, 5.10 p. m. Professor SWISHER and Assistant Professor McARTHUR.

42. *English Constitutional History*.—The development of the English Constitution in its historical setting. Texts, lectures, and collateral reading. Advised for pre-legal students. *Tues., Thurs. and Sat.*, 10.15 a. m. Six semester-hour credits. Professor CHURCHILL.

43. *Pro-Seminar in the Foundation of American Nationality, 1783-*

1796.—Intensive reading fostering individual initiative under careful supervision to develop a critical spirit and close knowledge of the historical literature and sources as well as the constructive events of this period. Hours of meeting to be arranged in common with History 56. Six semester-hour credits. Professor BEMIS.

44. *The History of France*.—Political, social, economic, and cultural development of the country from the Roman conquest to the Treaty of Versailles. Lectures and assigned reading. Prerequisite: Courses in mediaeval and modern history. Throughout the year. *Tues., Thurs. and Sat., 9.15 a. m.* Six semester-hour credits. Mr. RAGATZ.

45. *Modern Colonization*.—The era of discovery and exploration, colonial expansion from the fifteenth century to date with special reference to the partition of the Americas, Africa, and Asia, overseas rivalries of the European powers, problems of modern imperialism, and the institution of mandates. Prerequisite: A course in Modern European history. Texts, lectures, and special reading. *Mon., Wed. and Fri., 11.15 a. m.* Six semester-hour credits. Mr. RAGATZ.

#### *Third Section. Primarily for Graduates.*

54. *Seminary Work*.—The results of individual research, conducted by graduate students upon assigned topics, will be discussed at the weekly meetings of the Seminaries in History.

Undergraduate students qualified by previous historical study, who desire to do intensive work with a view to gaining fuller information upon special periods or facility in the use of historical materials, may, with the approval of the instructor, be admitted to the historical seminaries. Regular meeting of Seminary in Modern European History. *Sat., 12.15–2.15 p. m.* Six semester-hour credits. Professor SWISHER and Associate Professor KAYSER.

55. *Seminary in English and American History*.—Readings and research work to meet the individual needs of advanced students. Readings, conference and reports. Conference hour: *Mon., 4–5 p. m.* Six semester-hour credits. Professor CHURCHILL.

56. *Seminary in American Diplomacy*.—A course of intensive historical research in some one period of American diplomacy. For graduate students and qualified seniors. In this course advantage will be taken of the library and archival facilities of Washington, the best sources in America for the study of the diplomatic history of the United States. A reading knowledge of French is necessary, of Spanish and German desirable. Hours to be arranged. Six semester-hour credits. Professor BEMIS.



## HOME ECONOMICS

*First Section. Primarily for Undergraduates.*

1. *Domestic Science*.—Cooking, meal planning, table service and simple dietetics. Lecture, *Mon.*, 1.45 p. m.; laboratory. Section A: *Wed.* and *Fri.*, 1.45–3.45 p. m. Section B: *Tues.* and *Thurs.*, 1.45–3.45 p. m. Six semester-hour credits. Miss EVANS.

2. *Domestic Science*.—Parallel with Course 1. Lecture, *Mon.*, 5.10 p. m.; laboratory. Section A: *Wed.* and *Fri.*, 5.10–6.50 p. m. Section B: *Tues.* and *Thurs.*, 5.10–6.50 p. m. Six semester-hour credits. Miss EVANS.

3. *Domestic Science*.—Advanced course open to those who have had Home Economics 1 or its equivalent. (a) Experimental cookery, introducing research work, formation of recipes through experiment. (b) Demonstration cookery, introducing more complicated methods of cooking, use of unusual seasonings, flavorings and fancy cookery. *Wed.* and *Fri.*, 1.45–3.45 p. m. Four semester-hour credits. Miss EVANS.

4. *Domestic Science*.—Parallel with Course 3. *Wed.* and *Fri.*, 5.10–6.50 p. m. Miss EVANS.

11. *Household Management*.—The home and homemaking; division of income; equipment and organization; labor-saving devices; cleaning, marketing and care of clothing. First half-year. *Tues.* and *Thurs.*, 9.15 a. m. Two semester-hour credits. Miss EVANS.

13. *Foods*.—The production, manufacture and value of the common foods: wheat, corn, rice, etc., and the food products derived from them; cocoa, chocolate, coffee, tea. Second half-year. *Tues.* and *Thurs.*, 9.15 a. m. Two semester-hour credits. Miss EVANS.

14. *Textiles and Clothing*.—This course includes a brief study of the kinds, manufacture and uses of the various textiles; also practice in the use of the sewing machine; in the application of the fundamental stitches and the making of simple garments and in the use of commercial patterns. *Tues.* and *Thurs.*, 5.10 p. m. Four semester-hour credits. Miss EVANS.

15. *Textiles and Clothing*.—Parallel with Course 14. *Tues.* and *Thurs.*, 1.45 p. m. Four semester-hour credits. Miss EVANS.

*Second Section. For Undergraduates and Graduates.*

25. *Domestic Science*.—A course in Institutional cooking and management for those who have had Home Economics 1 and 3 or their equivalents. Actual practice will be given, especially in cafeteria work. Hours to be arranged. Six semester-hour credits. Miss EVANS.

26. *Domestic Science*.—Parallel with Course 5. Hours to be arranged. Miss EVANS.

28. *Nutrition*.—A course for advanced students and for teachers of home economics. Among the topics studied are energy metabolism, protein and mineral metabolism, vitamins, under nutrition in children, requirements of adults and children. *Tues.* and *Thurs.* at 5.10. Four semester-hour credits.

32. *Child Welfare*.—First semester: The physical relations of the child. Doctor HULL. Second semester: The social relations of the child. Miss LUNDBERG. Four semester-hour credits. (1924-25.)

*Note: The work in Home Economics will be reorganized for the session of 1925-26, and a detailed announcement will be made later. The descriptions of courses given above apply to the work as given in 1924-25.*

### LIBRARY SCIENCE

*First Section. Primarily for Undergraduates.*

1. *General introduction to Library Science*, including practice in ordering, accessioning, filing, desk work, and devoting special attention to the fundamental principles of cataloguing. Open only to students who have had or are taking first-year French or German. Section A: *Tues.*, *Thurs.* and *Sat.* at 11.15. Section B: *Mon.*, *Wed.* and *Fri.* at 6.05. Six semester-hour credits. Professor SCHMIDT.

2. *Classification and shelf-listing, theory and practice*.—Open only to students who have had Course 1 or its equivalent in library experience, and French and German are required. Six semester-hour credits. *Mon.*, *Wed.* and *Fri.* at 5.10. Professor SCHMIDT.

3. *Bibliography and reference*, including experience in the University library and the preparation of bibliographies in conjunction with the instructional work of the University. Three semester-hour credits. (Not given in 1925-26.) Professor SCHMIDT.

### INTERNATIONAL LAW AND DIPLOMACY

See Political Science.

### LATIN

See Classical Languages.

### MATHEMATICS

*First Section. Primarily for Undergraduates.*

3. *College Algebra; Solid Geometry; Plane Trigonometry*.—Algebra is studied during the first half-year, solid geometry during February and March, and trigonometry during April and May. Section A: *Mon.*, *Wed.* and *Fri.*, 9.15 a. m. Section B: *Mon.*, *Wed.* and *Fri.*, 11.15 a. m. Associate Professor HODGKINS.



4. *Algebra; Plane Trigonometry*.—Algebra is studied until April 1, and trigonometry during April and May. This course is planned for students who present only one admission unit in Algebra and for students who need a review of intermediate Algebra. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 5.10 p. m. Section B: *Tues., Thurs. and Sat.*, 6.05 p. m. Assistant Professor BORDEN.

5. *Algebra; Plane Trigonometry*.—Parallel with Course 4. *Mon., Wed. and Fri.*, 9.15 a. m. Six semester-hour credits. Assistant Professor BORDEN.

6. *College Algebra; Solid Geometry; Plane Trigonometry*.—Parallel with Course 3. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 5.10 p. m. Section B: *Mon., Wed. and Fri.*, 6.05 p. m. Mr. WALLIS.

8. *College Algebra*.—Second half-year. Three semester-hour credits. Mr. WALLIS.

9. *Trigonometry; Analytic Geometry*.—Trigonometry until January 1, analytic geometry for the remainder of the session. The completion of Courses 3, 4, 5 or 6 is requisite for admission to this course. *Mon., Wed. and Fri.*, 10.15 a. m. Six semester-hour credits. Section A: For Engineering students, Professor ERWIN. Section B: For non-Engineering students, Assistant Professor BORDEN.

12. *Trigonometry; Analytic Geometry*.—Parallel with Course 9. Section A: *Mon., Wed. and Fri.*, 5.10 p. m. Section B: *Mon., Wed. and Fri.*, 6.05 p. m. Section C: *Tues., Thurs. and Sat.*, 6.05 p. m. Six semester-hour credits. Associate Professor HODGKINS.

15. *Calculus and Analytic Geometry*.—Required course for freshmen in Architecture, and elective by the college student who has presented four entrance units in Mathematics or who has completed one of the Courses 3, 4, 5 or 6, and who does not plan to specialize in Mathematics. *Tues., Thurs. and Sat.* at 5.10. Six semester-hour credits. Assistant Professor BORDEN.

18. *Differential and Integral Calculus; Elements of Differential Equations*.—Section A: *Mon., Wed. and Fri.*, 5.10 p. m. Section B: *Tues., Thurs. and Sat.*, 5.10 p. m. Six semester-hour credits. Professor HODGKINS and Professor ERWIN.

19. *Differential and Integral Calculus; Elements of Differential Equations*.—*Tues., Thurs. and Sat.*, 9.15 a. m. Six semester-hour credits. Professor HODGKINS.

#### *Second Section. For Undergraduates and Graduates.*

23. *Foundations of Algebra and Geometry*.—Number system, irrationals, limits; ruler and compass constructions, famous problems, transcendence of  $e$  and  $\pi$ ; significance of postulates, non-euclidean geometries. Prerequisite: Twelve semester hours of college mathe-

matics. *Mon., Wed. and Fri.* at 6.05. Six semester-hour credits. Assistant Professor BORDEN.

24. *An Elementary Treatise on the Theory of Equation; The Number-System of Algebra.*—*Tues., Thurs. and Sat.*, 10.15 a. m. First half-year. Three semester-hour credits. Professor ERWIN.

25. *Elements of the Theory of Infinite Processes; Hyperbolic Functions.*—*Tues., Thurs. and Sat.*, 10.15 a. m. Second half-year. Three semester-hour credits. Professor ERWIN.

26. *Coordinate Geometry of Three Dimensions.*—*Tues., Thurs. and Sat.*, 6.05 p. m. Second half-year. Three semester-hour credits. Professor ERWIN.

27. *Projective Geometry.*—Hours to be arranged. Three semester-hour credits. Professor ERWIN.

32. *Differential Equations.*—*Tues., Thurs. and Sat.* at 6.05 p. m. First half-year. Three semester-hour credits. Professor ERWIN.

#### *Third Section. Primarily for Graduates.*

54. *Theory of Functions of a Complex Variable.*—*Mon., Wed. and Fri.*, 6 p. m. Six semester-hour credits. Professor ERWIN.

55. *Differential Geometry.*—*Mon., Wed. and Fri.*, 6 p. m. Six semester-hour credits. Professor ERWIN.

NOTE: Not more than two of the Courses 24, 25, 26, 27, 54 and 55 will be given during any one semester.

### MECHANICAL DRAWING

#### *First Section. Primarily for Undergraduates.*

1. *Mechanical Drawing.*—A general course embracing engineering lettering, dimensioning, use of instruments, engineering conventions, drafting room practice and standards, curve construction, isometric and orthographic detail sketches, working drawings, tracings. One period during first semester; three periods during second semester. Four semester-hour credits. Section A: First semester, *Mon.*, 1.45 to 4.45 p. m. Second semester: *Mon., Wed. and Fri.*, 1.45 to 4.45 p. m. Section B: First semester, *Fri.*, 7.30 to 10.30 p. m. Second semester, *Mon., Wed. and Fri.*, 7.30 to 10.30 p. m. Section C: First semester, *Fri.*, 7.30 to 10.30 p. m. Second semester, *Tues., Thurs. and Fri.*, 7.30 to 10.30 p. m. Assistant Professor JOHNSON, Mr. WILSON and Mr. EHRLMAN.

2. *Machine Drawing.*—A course in working drawings especially designed for Mechanical and Electrical Engineering students. The course is largely one of empirical design of standard parts. Much stress is laid upon drafting-room practice, arrangement of views and conventional forms and standards. Section A: *Mon. and Wed.*, 1.45



to 4.45 p. m. Section B: *Tues.* and *Thurs.*, 7.30 to 10.30 p. m. Four semester-hour credits. Assistant Professor JOHNSON and Mr. WILSON.

8. *Descriptive Geometry*.—A course in derivations and methods of projections for the point, line, plane, single and double curved surfaces; intersections at lines, planes, surfaces and solids; shades and shadows; amplified by problems showing the application of the subject in engineering and architectural practice. Brief lectures outlining and explaining the work, are given at the beginning of the drawing periods. Students who have not satisfied the entrance requirements in solid geometry will not be admitted to this course. First semester, two three-hour drawing periods. Two semester-hour credits. Section A: *Wed.* and *Fri.*, 1.45 to 4.45 p. m. Section B: *Mon.* and *Wed.*, 7.30 to 10.30 p. m. Section C: *Tues.* and *Thurs.*, 7.30 to 10.30 p. m. Assistant Professor JOHNSON and Mr. EHRLMAN.

### MECHANICAL ENGINEERING

#### *First Section. Primarily for Undergraduates.*

1. *Mechanism*.—A course in the study of machine elements and the kinematics of machinery in which the functions and the mechanical movements are analyzed. Carefully developed problems and diagrams of changes of position and speed in mechanism are constantly used. Some attention is given to the design of gearing, and part of the second semester is devoted to the study of steam engine valve gears. Prerequisite: Mechanical Drawing 1. Section A: *Mon.* and *Fri.*, 10.15 a. m. Section B: *Mon.* and *Fri.*, 6.05 p. m. Four semester-hour credits. Assistant Professor RANDOLPH.

9. *Engineering Laboratory*.—A laboratory course intended for all Engineering students. This course consists of material testing and the study of the flow of fluids over wiers, and through orifices. It is recommended that this course be taken concurrently with the second semester of Applied Mathematics 21, and with Applied Mathematics 22. Prerequisites: Physics 1, Applied Mathematics 20. Two three-hour periods, second semester. Two semester-hour credits. Assistant Professor RANDOLPH and Assistants.

10. *Engineering Laboratory*.—A laboratory course intended primarily for Chemical, Electrical and Mechanical Engineering students. This course consists of testing and calibrating engineering instruments, and testing of power plant equipment which features steam as the prime mover. It will be necessary for each student to be present *one whole day in December* when an evaporative test will be made of a steam boiler. Prerequisite: Mechanical Engineering 20. Two three-hour periods, first semester. Two semester-hour credits. Associate Professor PLATT.

11. *Engineering Laboratory*.—An advanced laboratory course primarily for Mechanical Engineering students. This course covers the study and testing of internal combustion engines. Prerequisites: Mechanical Engineering 10, 20, 30. Two three-hour periods, second semester. Two semester-hour credits. Associate Professor PLATT.

*Second Section. For Undergraduates and Graduates.*

20. *Thermodynamics*.—The first semester is devoted to the study of the principles of thermodynamics; the gas and vapor cycles; and the properties of steam. The second semester is devoted to the study of the steam engine and the practical applications of the above principles. Prerequisites: Mathematics 18 or 19; Physics 1, and Mechanical Engineering 1. Three hours throughout the year. Six semester-hour credits. Associate Professor PLATT.

21. *Boilers*.—This course includes a study of the design, construction, and operation of modern power boilers, and such auxiliary equipment necessary to their operation when solid, liquid, and gaseous fuels are used. Prerequisites: Mechanical Engineering 20; Mathematics 18 or 19. Two hours, first semester. Two semester-hour credits. Associate Professor PLATT.

23. *Hydraulic Machinery*.—This course includes a study of the design, construction and operation of modern pumping machinery used to deliver water or other fluids under pressure when their power for operation is received from electricity, steam, compressed air or internal combustion engines. Prerequisites: Applied Mathematics 20, 21; Mechanical Engineering 1, and first semester of Mechanical Engineering 20. Two hours, second semester. Two semester-hour credits. Assistant Professor RANDOLPH.

24. *Methods of Manufacture*.—A study of modern manufacturing methods, machine tools, automatic machines and quantity production. Prerequisites: Mechanical Drawing 2, Mechanical Engineering 1, Civil Engineering 4. Two hours, first semester. Two semester-hour credits. Assistant Professor PRENTISS.

25. *Machine Design*.—This course consists of the applications of principles already acquired to problems of design. The constructive details and calculations are discussed and the limitations of theoretical and empirical formulae pointed out. Prerequisites: Applied Mathematics 22, Civil Engineering 4, 22, Mechanical Engineering 1, 24. One lecture recitation period and two three-hour drawing periods the first semester, two three-hour drawing periods the second semester. Five semester-hour credits. Assistant Professor JOHNSON.

27. *Power Plants*.—This course includes a study of the design, layout, and installation of modern power plants and power plant equipment. It also includes a study of the auxiliary equipment necessary



to the economic operation of the power plant, as well as that necessary to meet the present-day safety laws of the various states. Practical problems based upon the text will be assigned throughout the semester. Prerequisite: Mechanical Engineering 20. Two hours, second semester. Two semester-hour credits. Associate Professor PLATT.

29. *Heating and Ventilating*.—This course includes a study of the design, installation and economic operation of modern heating and ventilating systems installed in all types of buildings. Practical problems will be assigned throughout this semester which will involve all the principles studied. Prerequisites: First semester, Mechanical Engineering 20. Two hours, second semester. Two semester-hour credits. Associate Professor PLATT.

30. *Internal Combustion Engines*.—A study of the design, construction and operation of gas, vaporized fuel, semi-diesel and diesel engines for stationary, traction, marine and aeronautical services; supplemented by a brief study of gas producers and equipment for utilizing waste industrial gases in engines. Prerequisites: M. E. 1, A. M. 20 and first semester of M. E. 20. Two hours, second semester. Two semester-hour credits. Assistant Professor JOHNSON.

31. *Steam Turbines*.—This course includes a study of the design, construction and installation of modern steam turbines, and in addition such auxiliary equipment necessary to their economic operation. Prerequisite: First semester, Mechanical Engineering 20. Two hours, first semester. Two semester-hour credits. Associate Professor PLATT.

32. *Industrial Management*.—This course consists of the study of the forming and development of manufacturing organizations, and the interrelationships of their various departments. Process planning and routing as well as modern efficiency methods are discussed. Prerequisite: Civil Engineering 4. Two hours, first semester. Two semester-hour credits. Associate Professor PLATT.

33. *Engineering Economics*.—A course in economics intended primarily for engineering students. The problems selected for this course feature the consideration of the first cost, operating expense, depreciation and salvage value of equipment used in the various fields of engineering. Prerequisite: Commerce 33. Two hours, second semester. Two semester-hour credits. Assistant Professor PRENTISS.

34. *Refrigeration*.—This course includes a study of the design, construction, and installation of modern mechanical refrigeration equipment, and in addition such auxiliary equipment necessary to their economic operation. Practical problems will be assigned during the semester which will involve a knowledge of the principles of mechanical refrigeration as studied in this course. Prerequisite: First semester

ter, Mechanical Engineering 20. Two hours, first semester. Two semester-hour credits. Associate Professor PLATT.

*Third Section. Primarily for Graduates.*

50. *Advanced Machine Design*.—In this course the student may either select his own problem or be assigned one by the Department of Mechanical Engineering. If the problem is selected by the student it must be approved by the professor in charge. Not more than two students may select the same problems and work together. Prerequisite: Mechanical Engineering 25. Three three-hour periods throughout the year. Six semester-hour credits. Assistant Professor JOHNSON.

51. *Advanced Power Plant Design*.—For this course the student will select his own problem, which must be approved by the professor in charge. Not more than two students may select the same problem and work together. Prerequisites: Mechanical Engineering 20, 21, 25, 30, 31, 34. Three three-hour periods throughout the year. Six semester-hour credits. Associate Professor PLATT.

## METEOROLOGY

*Third Section. Primarily for Graduates.*

51. *Meteorological Physics*.—This course presupposes collegiate training in general physics. Particular attention will be given to the interpretation of meteorological phenomena in the light of modern physics; and those wishing to make this their principal study will be assisted in the selection of a suitable problem for investigation and advised in the collection of data necessary to its solution. Six semester-hour credits. Professor HUMPHREYS.

## NAUTICAL SCIENCE

*First Section. Primarily for Undergraduates.*

1. *Nautical Science*.—Marine and aerial navigation; nautical astronomy; nautical almanac; production and use of nautical charts; tides; applications of meteorology, terrestrial magnetism and oceanography to navigation and seamanship; deviation of the compass in iron and steel ships; theory and use of instruments of navigation. Four semester-hour credits. Professor FRENCH.

*Third Section. Primarily for Graduates.*

50. *Nautical Science*.—Special investigations requiring original thought in relation to avenues of progress, such as the neutralization of the effects of the ship's magnetism upon the compass, the development of the gyroscopic compass, the supplying of means to enable seamen to make astronomical observations at night or when the horizon



is hidden from view. The applications of nautical astronomy to aerial navigation. Conferences, assigned readings, direction of research. Six semester-hour credits. Professor FRENCH.

### PHILOSOPHY

#### *Second Section. For Undergraduates and Graduates.*

21. *Principles of Philosophy*.—A course in the problems, theories and underlying principles of philosophy. Six semester-hour credits. *Tues., Thurs. and Sat., 9.15 a. m.* Professor RICHARDSON.

22. *Principles of Philosophy*.—Parallel with Course 21. Six semester-hour credits. *Mon., Wed. and Fri., 5.10 p. m.* Professor RICHARDSON.

23. *History of Philosophy*.—(a) First Semester: Ancient and mediaeval philosophy. (b) Second semester: Modern philosophy. Special attention is directed to the relation of philosophical conceptions to the world's progress. Six semester-hour credits. *Tues., Thurs. and Sat., 10.15 a. m.* Professor RICHARDSON.

24. *History of Philosophy*.—Parallel with Course 23. Six semester-hour credits. *Mon., Wed. and Fri., 6.05 p. m.* Professor RICHARDSON.

25. *Logic*.—The field of logic; the organization of knowledge; induction and deduction; logical analysis. Special attention is paid to the historical development of inductive science. First semester: *Mon., Wed. and Fri., 10.15 a. m.* Three semester-hour credits. Professor RUEDIGER.

26. *Logic*.—Parallel with Course 25. First semester: *Mon., Wed. and Fri., at 5.10 p. m.* Three semester-hour credits. Professor RUEDIGER.

27. *Ethics*.—A consideration of the principle ethical theories from the historical and social points of view. Second semester: *Mon., Wed. and Fri., 10.15 a. m.* Three semester-hour credits. Professor RUEDIGER.

28. *Ethics*.—Parallel with Course 27. Second semester: *Mon., Wed. and Fri., 5.10 p. m.* Three semester-hour credits. Professor RUEDIGER.

#### *Third Section. Primarily for Graduates.*

51. *Metaphysics*.—An intensive study of representative modern philosophers. Reading, conferences and written reports. *Wed., 7-9 p. m.* Six semester-hour credits. Professor RICHARDSON.

### PHYSICS

#### *First Section. Primarily for Undergraduates.*

1. *General Physics*.—A recitation and lecture course, embracing the fundamental principles of mechanics, heat, electricity and magnetism, sound, and light. The prerequisites are: Elementary (High School) Physics, Mathematics 9 or 12, and Mathematics 18 or 19, the latter of which may be taken concurrently. This is a required course for students in Engineering and for students specializing in Physics. Six semester-hour credits. Section A: *Mon., Wed. and Fri., 11.15 a. m.*; Section B: *Tues., Thurs. and Sat., 5.10 p. m.* Associate Professor CHENEY.

2. *Laboratory Physics*.—Laboratory methods, accurate measurement of physical quantities, and experimental study of physical laws and apparatus. A systematic schedule of experiments is performed, and a formal report presented for each experiment. Course 2 is arranged to accompany Course 1, and may not otherwise be taken without previous preparation in Physics equivalent to Course 1. Four semester-hour credits (this takes into consideration both the time required for performance of the experiments and that required for preparation of the reports). *Tues. and Thurs.*, 10.15 a. m., 2.45 p. m., or *Mon., Tues. or Wed.*, 7.30 p. m. Professor BROWN, Associate Professor CHENEY, Dr. BROMBACHER, Mr. EICHLIN, and Mr. ———.

3. *Introductory General Physics*.—Recitations, and lectures illustrated by experimental demonstrations. Similar in scope to Course 1, but less mathematical in treatment. Planned with reference to the needs of a student who desires an acquaintance with the facts and principles of Physical Science in their relation to the other sciences. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 1.45 p. m. Section B: *Mon., Wed. and Fri.*, 6.05 p. m. Professor BROWN.

4. *Introductory Laboratory Physics*.—Course 4 is similar in character to Course 2, but with somewhat greater emphasis placed upon the study of physical principles and their applications. It is arranged to accompany Course 3, and may not otherwise be taken without previous preparation in Physics equivalent to Course 3. *Tues. and Thurs.*, 10.15 a. m., or 2.45 p. m., or *Mon., Tues. or Wed.*, 7.30 p. m. Professor BROWN, Associate Professor CHENEY, Dr. BROMBACHER, Mr. EICHLIN, and Mr. ———.

5. *Physics Problems and Experiments*.—Planned to follow Courses 3 and 4. Prerequisites: Physics Courses 3 and 4, and Mathematics 18 or 19, the latter of which may be taken concurrently. Hours to be arranged. Four semester-hour credits. Associate Professor CHENEY.

(Note: Engineering students lacking entrance credit in Physics may take Courses 3, 4, and 5 in place of Courses 1 and 2.)

*Second Section. For Undergraduates and Graduates.*

20. *Mechanics, Molecular Physics, and Heat*.—An introduction to Theoretical Mechanics, including the dynamics of wave motion, hydrodynamics, and molecular phenomena such as surface tension, elasticity, viscosity, etc. A study of Heat from both the experimental and theoretical points of view followed by an introduction to thermodynamics. Six semester-hour credits. *Mon., Wed. and Fri.*, 6.05 p. m. Associate Professor CHENEY.

22. *Light and Sound*.—The topic of Light constitutes the major portion of the course. Sound for the most part is not studied separately but in parallel with correlated light phenomena. Six semester-hour credits. Professor BROWN. (Not given in 1925-26.)

23. *Electricity and Magnetism*.—A recitation and lecture course, using Starling's *Electricity and Magnetism* as a class text, and the more advanced texts and the literature for reference reading. Special attention will be



given to the electron theory and its relation to modern physical science. Six semester-hour credits. Associate Professor CHENEY. (Not given in 1925-26.)

NOTE.—Courses 21 to 23, inclusive, constitute a complete intermediate course in Physics which may be taken during their Junior and Senior years by students specializing in physics and allied sciences. They should be accompanied wherever possible by laboratory work in Course 25. Physics 1 and 2, and Mathematics 18 or 19, or the equivalents of these, are required for admission to any of these courses.

25. *Advanced Laboratory Physics*.—An optional laboratory course in connection with Courses 20, 22, 23, and 28, also open to other students having suitable preparation. Experiments are assigned according to the line of study desired by the individual student. One or two three-hour periods per week, hours by arrangement. Four or eight semester-hour credits. Professor BROWN and Associate Professor CHENEY.

28. *Radio Principles*.—A course in the elementary theory of electrical oscillations and electro-magnetic waves, and of their applications to communication. It is strongly recommended that Course 25 be taken in connection with this course. *Wed.*, and *Fri.*, 5 10 p. m. Four semester-hour credits. Professor BROWN.

#### *Third Section. Primarily for Graduates.*

51. *Bibliography and Survey*.—In recognition of the value to the research student of a thorough study of the literature of his chosen field as a prelude to active research, credit is offered under this course for (1) the preparation of a bibliography of that field, including brief abstracts of the more important articles, and (2) a systematic analysis of the lines of investigation along which further development is most promising, and a listing of available research problems. This course is open only to students majoring in Physics. Two semester-hour credits. Professor BROWN and Associate Professor CHENEY.

52. *Introduction to Mathematical Physics*.—This course is designed to acquaint the student with some of the more important tools of Mathematical Physics, and to provide him with a foundation for further graduate study in the subject. The topics covered are, mainly, vector analysis, generalized co-ordinates, spherical harmonics, etc., with application to problems in mechanics, hydrodynamics, and electricity. Prerequisites: Mathematics 18 or 19, and at least one of Physics Courses 20-24. All of the latter courses are recommended. Six semester-hour credits. *Mon.*, *Wed.*, and *Fri.*, 5.10 p. m. Associate Professor CHENEY.

53. *X-Rays and Radioactivity*.—A lecture and seminar course on the physical principles of X-Radiation and Radioactivity. In addition to consideration of the general theoretical and experimental aspects some attention will be given to the practical applications. The methods of investigating crystal structure by X-Rays, and the recent work of Aston and others on Isotopes will be included. First half-year. Three semester-hour credits. *Tues.*, *Thurs.*, and *Sat.*, 5.10 p. m. Dr. HUNT.

54. *Atomic Structure and Spectrum Series*.—A lecture and seminar course on the recently developed theories of the construction of the atom and their relation to the spectra of the elements. The developments leading up to Bohr's theory will first be considered, after which attention will be principally directed to the latter theory and to the deductions which result in the field of spectroscopy. Second half-year. Three semester-hour credits. *Tues., Thurs., and Sat., 5.10 p. m.* Dr. HUNT.

55. *Laboratory Physics for Graduate Students*.—This course must be preceded by two or more of Courses 21-23, inclusive, and three or more semester-hour credits in Course 25, or their equivalents. The experimental problems are somewhat longer than those of Course 25, and along more specialized lines, requiring more originality and initiative on the part of the student. This course is primarily intended to supply the laboratory experience required for active research work. Two or more semester-hour credits. Hours by arrangement. Professor BROWN, Associate Professor CHENEY, and Dr. HUNT.

57. *Statistical Mechanics and Kinetics Theory*.—This course is a study of the physical properties of gases from the standpoint of general dynamics. Viscosity, diffusion, heat conduction, Brownian movements, Van der Wall's equations and molecular aggregation and dissociation. A lecture and seminar course. *Mon. at 5.10 p. m.* Four semester-hour credits. (Not given in 1925-26.) Mr. VAN ORSTRAND.

58. *Elasticity*.—The physical properties of solids as applied to problems in geophysics. Homogenous stress and strain. Potential energy of strained solids. Transmission of force. Propagation of earthquake waves. Love's Mathematical Theory of Elasticity. A lecture and seminar course. Four semester-hour credits. (Not given in 1925-26.) Mr. VAN ORSTRAND.

60. *Least Squares*.—Derivation of the law of errors and adjustment of observations with special reference to the determination of the constants of empirical formulas. Merriman's Method of Least Squares. A lecture and recitation course. First half-year. Two semester-hour credits. (Not given in 1925-26.) Mr. VAN ORSTRAND.

61. *Conduction of Heat*.—Fourier's analysis is applied to numerous problems in the diffusion of heat and substances. Ingersoll and Zobel's Mathematical Theory of Heat Conduction. A lecture and recitation course. Second half-year. Two semester-hour credits. (Not given in 1925-26.) Mr. VAN ORSTRAND.

62. *Hydrodynamics*.—A lecture and seminar course. Lamb's Hydrodynamics. Four semester-hour credits. *Mon. at 5.10 p. m.* Mr. VAN ORSTRAND.

#### POLITICAL SCIENCE

Political Science 1 and 3 may be included as satisfying 6 hours of the requirement of 24 hours-credit for the major.



Courses 21 and 22 have as prerequisites 1 and 3 or the equivalent or English History or a year's course in European History since 1789.

Courses 23, 24, 24a, 25, 26, 27, 28, 29 and 30 have as prerequisites 1 and 3 or the equivalent or a year's course in history or Economics 1.

*First Section. Primarily for Undergraduates.*

1. *Government of the United States.*—Besides an analysis of the structure of the Federal Government this course includes a study of the powers and the influence of the President, the power to make treaties, to tax, to control the railroads and the wires, and to restrict immigration. The course surveys the functions of the courts and of the various commissions. The problems connected with the currency, the tariff, foreign commerce, and with our colonial empire are discussed. Governmental changes in foreign countries are noted and compared with those at home. First half-year. Three semester-hour credits. Section A: *Mon., Wed. and Fri.*, 9.15 a. m. Professor HILL. Section B: *Mon., Wed. and Fri.*, 10.15 a. m. Professor HILL. Section C: *Mon., Wed., and Fri.*, 11.15 a. m. Dr. WEST. Section D: *Tues., Thurs. and Sat.*, 11.15 a. m. Dr. WEST.

2. *Government of the United States.*—Parallel with Course 1. Three semester-hour credits. Section A: *Mon., Wed. and Fri.*, 6.05 p. m. Dr. TILLEMA. Section B: *Mon., Wed. and Fri.*, 6.05 p. m. Dr. WEST. Section C: *Tues., Thurs. and Sat.*, 5.10 p. m. Dr. TILLEMA. Section D: *Tues., Thurs. and Sat.*, 6.00 p. m. Dr. TILLEMA.

3. *State Government.—Political Science I continued.*—The relation of the states to the United States, the privilege of voting, the formation of public opinion, direct legislation, police power, public utilities, and executive responsibility form the chief topics. A rapid survey is made of the types of city government and of the county and township governments. Second half-year. Three semester-hour credits. Section A: *Mon., Wed. and Fri.*, 9.15 a. m. Professor HILL. Section B: *Mon., Wed. and Fri.*, 10.15 a. m. Professor HILL. Section C: *Mon., Wed. and Fri.*, 11.15 a. m. Dr. WEST. Section D: *Tues., Thurs. and Sat.*, 11.15 a. m. Dr. WEST.

4. *State Government.*—Parallel with Course 3. Three semester-hour credits. Section A: *Mon., Wed. and Fri.* 6.05 p. m. Dr. TILLEMA. Section B: *Mon., Wed. and Fri.*, 6.05 p. m. Dr. WEST. Section C: *Tues., Thurs. and Sat.*, 5.10 p. m. Dr. TILLEMA. Section D: *Tues., Thurs. and Sat.*, 6.05 p. m. Dr. TILLEMA.

*Second Section. For Undergraduates and Graduates.*

21. *Comparative European Governments.*—The governments and politics of England, France, Italy and Switzerland will be dealt with in this course. First half-year. Three semester-hour credits. *Mon., Wed. and Fri.*, 4.00 p. m. Dr. TILLEMA.

22. *Comparative European Governments (continued).*—The governments of Central and Western Europe, established since the World War, will be the

subjects of this study. Second half-year. Three semester-hour credits. *Mon., Wed. and Fri., 4.00 p. m.* Dr. TILLEMA.

23. *City Government in the United States.*—A study of the various types of city government and the relations of the city to the state. Some attention will be given to European cities, and special emphasis will be placed on the government of the District of Columbia. First half-year. Three semester-hour credits. *Mon., Wed. and Fri., 11.15 a. m.* Dr. TILLEMA. This course may be taken with 36 the second semester.

24. *Constitutional Law.*—This course deals primarily with the principles under which the government of the United States operates, as developed in the leading court decisions. The powers of the Federal Government and of the states, and the rights and obligations of the individual will be studied. First half-year. Three semester-hour credits. *Mon., Wed., and Fri., 5.10 p. m.* Dr. WEST.

24a. *American Legislatures.*—A study will be made of the organization of American legislatures and of parliamentary practice, with special reference to the Congress of the United States. Comparisons will be drawn from the experience of other countries. Second half-year. Three semester-hour credits. *Mon., Wed., and Fri., 5.10 p. m.* Dr. WEST.

25. *Political Theory.*—The political ideas of Aristotle, Rousseau, Thomas Jefferson and others, the political theory of the American Revolution, the controversy over states' rights, and the development of the idea of democracy will be surveyed. First half-year. Three semester-hour credits. *Tues., Thurs. and Sat., 10.15 a. m.* Dr. WEST.

26. *American Political Parties.*—The place of the party in a democracy, its organization, its activities, the character of its membership, machines and bosses, and problems connected with elections will be studied. Second half-year. Three semester-hour credits. *Tues., Thurs. and Sat., 10.15 a. m.* Dr. WEST.

27. *International Relations.*—The leading European treaties, especially those during the last century, are studied. The purpose is to find what principles of international law and diplomacy have been evolved and applied. First half-year. Three semester-hour credits. *Tues., Thurs., and Sat., 5.10 p. m.* Professor HILL.

28. *International Relations (continued).*—Leading American treaties and the principles of diplomacy form the basis of this course. Second half-year. Three semester-hour credits. *Tues., Thurs. and Sat., 5.10 p. m.* Professor HILL.

29. *International Law.*—The purpose is to acquire an understanding of the elements of this subject. A text book, illustrative cases and problems form the basis for discussions. First half-year. Three semester-hour credits. *Tues., Thurs. and Sat., 6.05 p. m.* Professor HILL.

30. *International Law (continued).*—Second half-year. Three semester-hour credits. *Tues., Thurs. and Sat., 6.05 p. m.* Professor HILL.



34. *The Near East*.—The political problems of the Balkan states and of Turkey are studied. The effect of their rivalries upon diplomacy and the conflicting interests of the Great Powers as expressed in schools, missions, mandates, concessions and markets are included. If time permits a few lectures will be devoted to the growth of Slavic literature. First half-year. *Mon., Wed. and Fri.*, 5.10 p. m. Three semester-hour credits. Mr. PANARETOFF.

35. *The Far East*.—The opening of China and Japan to western influence. The resulting problems of extra-territoriality, leases and customs regulations. The governments and the present-day political questions. The principles of international law and diplomacy as applied by the Washington Conference. Second half-year. *Mon., Wed. and Fri.*, 5.10 p. m. Three semester-hour credits. Mr. BISHOP.

36. *Government and Politics of Latin America*.—The development of the republics out of the colonial systems; the present status of their governments; Pan-Americanism, and the relations of the Latin American states with the United States will constitute the subject matter of this course. Second half-year. Three semester-hour credits. *Mon., Wed. and Fri.*, 11.15 a. m. Dr. TILLEMA. This course may be taken with 23 the first semester.

*Third Section. Primarily for Graduates.*

53. *Seminar in Political Science*.—Reports and discussions on topics in the field of national administration. First half-year. Three semester-hour credits. *Tues. and Thurs.*, 4.00 p. m. Professor HILL.

54. *Seminar in Political Science (continued)*.—Second half-year. Three semester-hour credits. *Tues. and Thurs.*, 4.00 p. m. Professor HILL.

## PREVENTIVE MEDICINE AND HYGIENE

*Third Section. Primarily for Graduates.*

50. *Preventive Medicine and Hygiene*.—A reading and discussion course dealing with the etiology, modes of transmission, epidemiology and prevention of communicable diseases, including disinfection and quarantine; immunity, heredity and eugenics; air and air conditioning, heating and ventilation; foods and food deficiency diseases, nutritional problems; water, sewage and refuse disposal; industrial hygiene; school sanitation; personal hygiene; mental hygiene; vital statistics. Each student prepares an essay on some preventive medicine topic in which he is interested. Hours to be arranged. Six semester-hour credits. Professor HOUGHTON.

51. *Public Hygiene*.—A didactic, laboratory and field course, planned to include those fields of medical and related sciences which form the foundation of public health laboratory work: Chemical and bacteriological examination of water and milk; light and lighting; air—humidity, dust and poisonous gases; standardization of disinfectants; meningococcus isolation

and detection of carriers; typing of the pneumococcus; tuberculosis diagnosis, tuberculin reactions and animal inoculation; diphtheria diagnosis and Schick test; the Dick test for scarlet fever susceptibility and methods of immunization; smallpox vaccine and vaccination; bacterial vaccines; venereal disease diagnosis; testing and control of biologic products; feces examinations, including bacteriological and parasitological; protozoal diseases; epidemiology and vital statistics.

Field work consists of a sanitary survey; visits to water purification plants, sewage disposal plants, refuse disposal plants, dairies, pasteurization plants, industrial plants, and a model county health organization.

The course is open to persons who have taken bacteriology, clinical microscopy or equivalent. The course may be modified to suit the needs of the class; special work being assigned to students in preventive medicine. Hours to be arranged. Six semester hour credits. A laboratory fee of ten dollars is charged to cover cost of materials used in this course. Students pay their own expenses on field visits. Professor HOUGHTON.

### PSYCHOLOGY

#### *First Section. Primarily for Undergraduates.*

11. *Psychology*.—(a) First semester: General Psychology. (b) Second semester: The applications of psychology in the fields of business, industry, law, medicine and education. *Mon., Wed. and Fri.* at 11.15 a. m. Six semester hour credits. Associate Professor Moss.

12. *Psychology*.—Parallel with Course 11. *Mon., Wed. and Fri.* at 5.10 p. m. Six semester-hour credits. Associate Professor Moss.

14. *Psychology*.—(a) First semester: General Psychology. (b) Second semester: The applications of psychology with special reference to the field of medicine. *Tues., Thurs. and Sat.* at 5.10 p. m. Six semester-hour credits. Associate Professor Moss.

#### *Second Section. For Undergraduates and Graduates.*

(General Psychology is prerequisite for all courses in the second and third sections.)

29. *Child Psychology*.—Same as Education 29. (See page 100.)

32. *Mental Tests*.—A study of the use of psychological and short-answer tests in the various vocational fields. *Mon., Wed. and Fri.* at 6.05 p. m. Six semester-hour credits. Associate Professor Moss.

36. *Mental Hygiene*.—Types of normal and abnormal human behavior; the relation between mental ill health and anti-social conduct; individual differences; the meaning of mental tests and examinations; mental hygiene problems of childhood and adolescence. Opportunity will be given at clinics to observe the various mental types discussed. *Tues. and Thurs.* at 5.10 p. m. Two semester-hour credits. Dr. RICHMOND.

40. *Social Psychology*.—First semester, *Tues., Thurs. and Sat.* at 5.10 p. m. Three semester-hour credits. Mr. MIDDLETON.



44. *Comparative and Animal Psychology*.—Second semester, *Tues., Thurs. and Sat.*, at 5.10 p. m. Three semester-hour credits. Mr. MIDDLETON.

*Third Section. Primarily for Graduates.*

50. *Seminar in Psychology*.—Study of the emotions. *Tues.*, 7.30–9.30 p. m. Six semester-hour credits. Associate Professor MOSS.

54. *Personnel Management*.—A study of the principles underlying the selection, placement, control and removal of personnel. *Tues. and Thurs.* at 6.05 p. m. Six semester-hour credits. Mr. TELFORD.

## ROMANCE LANGUAGES AND LITERATURES

### French

*First Section. Primarily for Undergraduates.*

1. *First-Year Course*.—For beginners. Fraser and Squair's French Grammar. Grammar, composition, drill in pronunciation, translation and reading of modern French fiction, comedy and history. For beginners. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 9.15 a. m. Section B: *Tues., Thurs. and Sat.*, 9.15 a. m. Assistant Professor PROTZMAN.

2. *First-Year Course*.—For beginners. Parallel with Course 1. Fraser and Squair's French Grammar. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 5.10 p. m. Section B: *Mon., Wed. and Fri.*, 6.05 p. m. Section C: *Tues., Thurs. and Sat.*, 5.10 p. m. Section D: *Tues., Thurs. and Sat.*, 6.05 p. m. Assistant Professor FOSTER, MESSRS. CULLOM, DEIBERT and KRAMER.

Section X. (Second half-year. This section will be given if elected by a sufficient number of students. No credit will be given for section 2X unless the student takes the work of the second semester in the Summer School of the same year.) Three semester-hour credits.

3. *Second-Year Course*.—Fraser and Squair's French Grammar. First text, Lavisce, "Histoire de France, cours moyen" (D. C. Heath and Co.); other texts to be announced. Open to students who have passed in French 1 or 2, or have fulfilled the admission requirements in Elementary French. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 10.15 a. m. Section B: *Tues., Thurs. and Sat.*, 10.15 a. m. Section C: *Mon., Wed. and Fri.*, 11.15 a. m. Section D: *Mon., Wed. and Fri.*, 11.15 a. m. Professor HENNING, Assistant Professors FOSTER and PROTZMAN, Mr. DEIBERT.

4. *Second-Year Course*.—Parallel with Course 3. Fraser and Squair's French Grammar. First text, Lavisce, "Histoire de France, cours moyen" (D. C. Heath and Co.); other texts to be announced. Six semester-hour credits. Section A: *Tues., Thurs. and Sat.*, 5.10 p. m. Section B: *Tues., Thurs. and Sat.*, 6.05 p. m. Section C: *Tues., Thurs. and Sat.*, 6.05 p. m. Assistant Professor FOSTER, MESSRS. CULLOM and KRAMER.

5. *Survey of Modern French Literature*.—(Seventeenth, eighteenth and nineteenth centuries.) Translation, collateral reading and conferences

thereon, lectures on literature. Open to students who have passed in French 3 or 4, or have fulfilled the admission requirements in Advanced French. Six semester-hour credits. *Mon., Wed. and Fri.*, 4.00 p. m. Professor HENNING and Assistant Professor FOSTER.

6. *Survey of Modern French Literature*.—Parallel with Course 5. Six semester-hour credits. *Tues., Thurs. and Sat.*, 6.05 p. m. Assistant Professor PROTZMAN.

7. *Composition and Conversation (Elementary Course)*. Open to students who have passed in Course 1 or 2, or have fulfilled the admission requirements in Elementary French. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 5.10 p. m. Section B: *Tues., Thurs. and Sat.*, 5.10 p. m. M. BENÉTEAU. (Each section will be given only if elected by at least ten students at the beginning of the year.)

8. *Composition and Conversation (Advanced Course)*.—Open to students who have passed in Course 7, or otherwise satisfy the instructor of their fitness to take it. Six semester-hour credits. *Mon., Wed. and Fri.*, 6.05 p. m. M. BENÉTEAU. (This course will be given only if elected by at least ten students at the beginning of the year.)

Note: Courses 7 and 8 may not be taken in the same year. Neither 7 nor 8 may be substituted for Courses 1 or 2, 3 or 4, in satisfying the curriculum requirements for two years of modern languages.

#### *Second Section. For Undergraduates and Graduates.*

(Courses in this group are open to students who have passed in Courses 5 or 6, or otherwise satisfy the instructor of their fitness to take them.)

21. *Literature of the Seventeenth Century*.—History, philosophy, criticism, memoirs, letters, eloquence, drama, fiction, poetry. Balzac, Boileau, Corneille, Descartes, Fénelon, Mme. de La Fayette, La Bruyère, La Fontaine, La Rochefoucauld, Malherbe, Molière, Racine, Saint-Evremond, Saint-Simon, Mme. de Sévigné, etc. Translation, collateral reading and reports thereon, lectures on history and literature. Six semester-hour credits. *Mon., Wed. and Fri.*, 5.10 p. m. Professor HENNING.

23. *Literature of the Eighteenth Century*.—History, philosophy, criticism, letters, drama, fiction, poetry, the "salons," the idea of progress, the idea of science. Bayle, Fontenelle, Abbé de Saint-Pierre, Marquise de Lambert, Mme. de Tencin, Montesquieu, Voltaire, J.-J. Rousseau, Diderot, the Encyclopedists, etc. Translation, collateral reading and reports thereon, lectures on literature and history. Six semester-hour credits. *Mon., Wed. and Fri.*, 4.00 p. m. (Not given in 1925-26.) Mr. DEIBERT.

26. *Literature from 1750 to 1850; the Romantic Movement*.—History, criticism, travels, fiction, drama, lyric poetry. Rousseau, Bernardin de Saint-Pierre, Balzac, Baudelaire, Chateaubriand, Gautier, Hugo, Lamartine, Michelet, Musset, Sainte-Beuve, George Sand, Mme. de Staël, Thierry, Vigny, etc. Translation, collateral reading and reports thereon, lectures on



literature and history. Six semester-hour credits. *Mon., Wed. and Fri., 5.10 p. m.* (Not given in 1925-26.) Professor HENNING.

28. *Literature from 1850 to the Present.*—History, philosophy, criticism, fiction, drama, lyric poetry. Augier, Brunetière, Daudet, Dumas fils, Flaubert, France, Heredia, Hervieu, Leconte de Lisle, Lemaitre, Lori, Maeterlinck, Maupassant, Mérimée, Renan, Rostand, Sully, Prudhomme, Taine, Verlaine, etc. Six semester-hour credits. *Mon., Wed. and Fri., 2.45 p. m.* Professor HENNING.

40. *Modern Fiction.*—The French novel and short story, from the beginning of the nineteenth century to the present. Translation, collateral reading, lectures. Six semester-hour credits. *Mon., Wed. and Fri., 2.45 p. m.* (Not given in 1925-26.) Professor HENNING.

### *Third Section. Primarily for Graduates.*

(All graduate students in French are expected to report to Assistant Professor Jones at the opening of the college year for brief instruction in the use of books and libraries, the compilation and use of bibliographies, etc.)

50. *Old French.*—Philology and literature. *La Chanson de Roland*, the works of Chrétien de Troyes, etc. Phonology and morphology of Old French, with an outline of its development through Vulgar Latin. Survey of French Literature to the end of the thirteenth century. Some knowledge of Latin is essential. Six semester-hour credits. Hours to be arranged. Professor DOYLE.

56. Opportunities are afforded to competent graduate students, under the guidance of members of the Department of Romance Languages, for original investigation and the study of special topics, linguistic or literary, in the Old French period, the Seventeenth Century, the Eighteenth Century, the Nineteenth Century, and Contemporary Literature. Meetings are arranged. Consult Professor HENNING.

## Spanish

### *First Section. Primarily for Undergraduates.*

1. *First-Year Course.*—For beginners. Hills and Ford's First Spanish Course. Grammar, written and oral composition, drill in pronunciation, translation of modern Spanish fiction, comedy and history. Six semester-hour credits. Section A: *Mon., Wed. and Fri., 9.15 a. m.* Section B: *Tues., Thurs. and Sat., 9.15 a. m.* Section C: *Mon., Wed. and Fri., 10.15 a. m.* Section D: *Tues., Thurs. and Sat., 11.15 a. m.* Assistant Professors PROTZMAN and FOSTER, Messrs. DEIBERT and CORLISS.

2. *First-Year Course.*—For beginners. Parallel with Course 1. Hills and Ford's First Spanish Course. Six semester-hour credits. Section A: *Mon., Wed. and Fri., 5.10 p. m.* Section B: *Mon., Wed. and Fri., 6.05 p. m.*

Section C: *Tues., Thurs. and Sat.*, 5.10 p. m. Section D: *Tues., Thurs. and Sat.*, 6.05 p. m. Professor DOYLE, Assistant Professor JONES, Messrs. CORLISS and LAZO.

Section X: (Second half-year. This section will be given if elected by a sufficient number of students.) No credit will be given for Section 2X unless the student takes the work of the second semester in the Summer School of the same year.

3. *Second-Year Course*.—Review of grammar, composition, translation of modern Spanish prose and poetry, collateral reading. First text, Benavente, "Tres Comedias" (Heath). Open to students who have passed in Course 1 or 2, or have fulfilled the admission requirements in Elementary Spanish, or otherwise satisfy the instructor of their fitness to take the course. Six semester-hour credits. Section A: *Mon., Wed. and Fri.*, 10.15 a. m. Section B: *Tues., Thurs. and Sat.*, 10.15 a. m. Section C: *Mon., Wed. and Fri.*, 10.15 a. m. Professor DOYLE, Assistant Professor PROTZMAN, Mr. DEIBERT.

4. *Second-Year Course*.—Parallel with Course 3. Six semester-hour credits. First text, Benavente, "Tres Comedias" (Heath). Section A: *Mon., Wed. and Fri.*, 5.10. Section B: *Tues., Thurs. and Sat.*, 5.10. Assistant Professor JONES, Mr. CORLISS.

5. *General Survey of Modern Spanish Literature*.—Seventeenth, Eighteenth and Nineteenth Centuries; contemporary writers. Translation of representative works of fiction, drama and poetry. Lectures on the history of Spanish Literature. Outside reading and reports. Open to students who have passed in Spanish 3 or 4, or who otherwise satisfy the instructor of their fitness to take the course. Six semester-hour credits. *Mon., Wed. and Fri.*, 2.45 p. m. Professor DOYLE.

6. *Parallel with Spanish 5*.—Six semester-hour credits. *Mon., Wed. and Fri.*, 5.10 p. m. Assistant Professor JONES.

7. *Conversation and Composition (Elementary Course)*.—Open to students who have passed in Spanish 1 or 2, or have fulfilled the admission requirements in Elementary Spanish. Section A: *Mon., Wed. and Fri.*, at 5.10 p. m. Section B: *Tues., Thurs. and Sat.*, 5.10 p. m. Six semester-hour credits. Mr. VÁZQUEZ.

(Each section will be given only if elected by at least ten students at the beginning of the year.)

8. *Conversation and Composition (Advanced Course)*.—Open to students who have passed in Spanish 7, or otherwise satisfy the instructor of their fitness to take it. Six semester-hour credits. *Mon., Wed. and Fri.*, 6.05 p. m. Mr. VÁZQUEZ. (This course will be given only if elected by at least ten students at the beginning of the year.)

NOTE: Courses 7 and 8 may not be taken in the same year. Neither 7 nor 8 may be substituted for Courses 1 or 2, 3 or 4, in satisfying the curriculum requirements for two years of modern languages.



*Second Section. For Undergraduates and Graduates.*

(Courses in this group are open to students who have passed in Course 5 or 6 or otherwise satisfy the instructor of their fitness to take them.)

22. *Spanish Literature of the Sixteenth and Seventeenth Centuries.*—The Golden Age. Cervantes, Lope de Vega, Calderón. The classic Spanish drama. Origins and rise of the novel. The ballad. Lyric poetry. References to the influence of Spanish literature upon French and English. Translation, reports on outside reading, lectures. A large amount of collateral reading will be required. *Mon., Wed. and Fri., 4.00 p. m.* Six semester-hour credits. Professor DOYLE.

24. *Spanish Drama from the Eighteenth Century to the Present.*—The French School; Moratin, etc. Ramón de la Cruz. Romantic and historical drama. The comedy of manners. Psychological and social drama. Contemporary dramatists. A large amount of collateral reading will be required. Translation, reports on outside reading, lectures. Six semester-hour credits. *Mon., Wed. and Fri., 4.00 p. m.* Professor DOYLE. (Not given in 1925-26.)

26. *The Spanish Novel from the Eighteenth Century to the Present.*—Romantic and historical novelists; the *costumbristas*; the novel of manners; the regionalists; contemporary novelists. A large amount of collateral reading will be required. Translation, reports on outside reading, lectures. Six semester-hour credits. *Mon., Wed. and Fri., 4.00 p. m.* (Not given in 1925-26.) Professor DOYLE.

28. *Spanish-American Literature in Prose and Verse.*—Study of leading critics, essayists, historians, novelists, poets; Rodó, Hostos, Blanco-Fombona, Blest Gana, Olmedo, Bello, Heredia, Darío, Chocano, Valencia, Nervo, etc. Lectures, translation, reports on outside reading. A large amount of collateral reading will be required. Six semester-hour credits. *Tues., Thurs. and Sat., 6.05 p. m.* Assistant Professor JONES.

*Third Section. Primarily for Graduates.*

(All graduate students in Spanish are expected to report to Assistant Professor JONES at the opening of the college year for brief instruction in the use of books and libraries, the compilation and use of bibliographies, etc.)

50. *Old Spanish.*—Philology and Literature. *Poema del Cid*, *Libro de Buen Amor*, *Conde Lucanor*, etc. Menéndez Pidal's "Manual elemental de gramática histórica española" and Ford's "Old Spanish Readings" (Ginn). Some knowledge of Latin is essential. Six semester-hour credits. Hours to be arranged. Professor DOYLE. (Not given in 1925-26.)

56. *Courses of Special Study.*—Opportunities are afforded to competent graduate students, under the guidance of members of the Department of Romance Languages, for original investigation and the study of special topics, linguistic or literary, in the Old Spanish period, the Renaissance, the Golden Age, the Eighteenth and Nineteenth Centuries, Contemporary Literature, and the Literature of Spanish-America. Meetings as arranged. Consult Professor DOYLE.

## Italian

*First Section. Primarily for Undergraduates.*

2. *First-Year Course*.—For beginners. Grandgent's Italian Grammar. Grammar, composition, drill in pronunciation, translation and reading of modern Italian fiction, comedy, history, and descriptive matter. Six semester-hour credits. *Mon., Wed. and Fri.*, 5.10 p. m. Mr. LAMORE. (This course will be given only if elected by at least twelve students at the beginning of the year.)

4. *Second-Year Course*.—Grandgent's Italian Grammar. First text, Giacosa, "Tristi Amori." Other texts to be announced. Open to students who have passed in Italian 2, or otherwise satisfy the instructor of their fitness to take it. Six semester-hour credits. *Tues., Thurs. and Sat.*, 5.10 p. m. Mr. LAMORE. (Not given in 1925-26.)

## Portuguese

*First Section. Primarily for Undergraduates.*

1. *First-Year Course*.—For beginners. Branner's Portuguese Grammar; Barreto and Laet's *Anthologia Nacional*. Phonetics and drill in pronunciation, dictation, grammar, translation, composition and conversation. In the second semester the classes are conducted mainly in Portuguese. *Mon., Wed. and Fri.*, 2.45 p. m. Six semester-hour credits. (Not given in 1925-26.) Professor COUTINHO.

3. *Second-Year Course*.—Barreto and Laet's *Anthologia Nacional*; Mendes dos Remedios' *Historia de Literatura Portuguesa*. Advanced grammar, composition, reading and translation of modern prose and poetry (Portuguese and Brazilian authors of XVIII and XIX centuries). In the second semester Portuguese authors of XVI and XVII centuries. Classes will be conducted in Portuguese. *Mon., Wed. and Fri.*, 1.45 p. m. Six semester-hour credits. (Not given in 1925-26.) Professor COUTINHO.

## SEMITIC LANGUAGES AND LITERATURE

*Second Section. For Graduates and Undergraduates.*

20. *Elementary Hebrew*.—Hebrew vocabulary and grammar; reading, translations of simple passages and briefer exercises. This course is open to beginners. Two hours a week. Four semester-hour credits.

22. *Advanced Hebrew*.—An intensive study of Hebrew grammar and its relation to Semitics in general. Comparative Semitic philology will be pursued. Translations of longer passages of prose and poetry. Readings and selections from the Old Testament and post-biblical literature. Two hours a week. Four semester-hour credits. Professor SCHAPIRO.

*Third Section. Primarily for Graduates.*

50. Study of the history and development of Hebrew and cognate literatures. Certain epochs of Jewish History. A review of Modern Hebrew



literature with particular emphasis on productions of the Haskala period. Special topics in addition to be selected by candidates. Six semester-hour credits. Professor SCHAPIRO.

## ZOOLOGY

### *First Section. Primarily for Undergraduates.*

1. *Systematic Zoology*.—Invertebrates. This includes lectures and laboratory work. The lectures cover all the branches of Invertebrates, and correlated with these lectures is the study and dissection of typical specimens in each group. This course is intended to familiarize the student with zoological characters, classificatory laws, and the general principles of biology and evolution.

Lecture, *Wed.*, at 5.10 p. m.; laboratory, *Tues.* and *Thurs.*, 1.45–3.45 p. m., and *Wed.* and *Fri.*, 5.10–7.00 p. m. Text, Parker and Haswell, *A Text-book of Zoology*, Vol. I, The MacMillan Co. Six semester-hour credits. (No credit for half-year work.) Professor BARTSCH, Miss MACMILLAN, Miss QUICK, Mr. McClosky, and Mrs. BEIJ.

2. *Systematic Zoology*.—Vertebrates. This includes lectures and laboratory work. The lectures will cover the various branches of Vertebrates, and correlated with these is the study and dissection of typical specimens of each group. Prerequisite Zoology I.

Lecture, *Mon.*, 6.05 p. m.; laboratory, *Wed.* and *Fri.*, 5.10–7.00 p. m. Text, Parker and Haswell, *A Text-book of Zoology*, Vol. II, The MacMillan Co. Six semester-hour credits. (No credit for half-year work.) Professor BARTSCH, Miss MACMILLAN, Miss QUICK, Mr. McClosky, and Mrs. BEIJ.

3. *Pre-Medical Zoology*.—An abridged course of Zoology I and II covering the semester hour requirement of the American Medical Association. In this course the same sequence as that in the other two courses is followed, but the types selected for discussion and dissection are such as will prove of especial importance to the medical student. Students, however, are urged whenever possible to take the more extended courses.

*First Semester.* Lecture, *Mon.* and *Fri.*, 5.10 p. m. Laboratory, *Tues.* and *Thurs.*, 9.00–11.00 a. m.; *Wed.* and *Fri.*, 2.45–4.45 p. m.; *Mon.* and *Wed.*, 6.00–8.00 p. m.

*Second Semester.* Lecture, *Mon.*, 5.10 p. m. Laboratory, *Tues.*, *Thurs.*, and *Sat.*, 9.15–11.15 a. m.; *Mon.*, *Wed.*, and *Fri.*, 2.45–4.45 p. m.; *Mon.*, 6.00–8.00 p. m.; *Wed.* and *Fri.*, 5.10–7.00 p. m. Text, Parker and Haswell, *A Text-book of Zoology*, Vols. I and II, The MacMillan Co., and Davison *Mammalian Anatomy*. Eight semester-hour credits. (No credit for half-year work.) Professor BARTSCH, Miss MACMILLAN, Miss QUICK, Mr. McClosky, and Mrs. BEIJ.

### *Second Section. For Undergraduates and Graduates.*

23. *Ornithology*.—A systematic course embracing lectures and laboratory work. The lectures are illustrated with lantern slides, showing the home life

of birds. The laboratory work consists in classifying birds. The splendid District of Columbia exhibit in the U. S. National Museum will be consulted in this work. Special attention is directed to the study of the birds of the District of Columbia, and frequent field excursions are made to familiarize the student with the haunts and habits, calls and songs of our native birds. Lecture, *Fri.*, 6.05 p. m.; laboratory, one two-hour period, at students' convenience. Four semester-hour credits. Students may enroll for this course in any semester. Text, Frank M. Chapman, *Birds of Eastern North America*. Professor BARTSCH.

24. *General Entomology*.—This course embraces lectures on the characteristics of the various orders and more important families of insects, as well as the habits of representative species. Each lecture will be supplemented by two laboratory periods which will be devoted to a study of the structure of typical forms and practice in identification.

*First Semester.* Lecture, *Wed.*, 6.05 p. m.; laboratory, *Mon.* and *Fri.*, 5.10–7.00 p. m. Text, Comstock, *Introduction to Entomology*, Comstock Pubs. Co. Prerequisite Zoology I and II or III. Mr. SHANNON.

25. *Economic Entomology*.—This course embraces lectures discussing the life histories of such insects as are of economic importance, in so far as they influence agricultural pursuits or sanitary problems. Methods of control will also be discussed. The laboratory work will consist of an actual study of the principal pests and insecticidal agencies.

*Second Semester.* Lecture, *Wed.*, 6.05 p. m. Laboratory, *Mon.* and *Fri.*, 5.10–7.00 p. m. Text, Fernald, *Applied Entomology*, McGraw Hill Book Co.; Fox, *Insects and Disease*, Lippincott & Co. Prerequisite Zoology 24. Mr. SHANNON.

26. *Practical Zoology*.—A lecture course illustrated with lantern slides and demonstrations. In this course only beneficial and injurious animals of all classes will be considered, especial stress being laid upon the problems of preservation and extermination. The course aims to expound the economic side of zoology. Open to all students. One hour. Two semester-hour credits. Professor BARTSCH.

27. Laboratory courses in histology and physiology will be arranged for competent students.

*Third Section. Primarily for Graduates.*

50. Students who have the necessary basic training may arrange to undertake advanced work or individual research with Professor Bartsch. Such courses will cover six semester-hour credits.



# SUMMER SCHOOL

## ARTS AND SCIENCES

1925

### CALENDAR

- June 11. Registration begins.
- June 15. Instruction begins in the nine-week classes and all others marked by a capital S.
- June 22. Instruction begins in the six-week classes marked by a small s.

### ADMISSION

All the work offered is of college grade and rests upon a minimum preparation of high school graduation or the equivalent. Unless a student wishes to matriculate in the University, the formal presentation of entrance credentials is not required.

### REGISTRATION

Registration for courses, changes in registration, and the dropping of courses are effected in the Registrar's office, 2033 G Street N. W. This office will be open to receive registrations from 9 a. m. to 6 p. m. after June 11 and students are urged to register before the classes they wish to enter begin. Registration for credit in any class closes three days after the class has started, unless written permission to the contrary is granted by the instructor concerned.

### CREDIT

The units of credit in semester hours carried by the several courses are indicated both in the schedule of classes on pages 8-10 and in the descriptive outlines of the course on pages 11-21. A semester hour of work covers a minimum of fifteen class or laboratory periods.

Work satisfactorily completed in the Summer School will be accredited toward a degree at George Washington University on the same basis as work completed during the regular session. Three courses are considered full work, but for reasons of weight a student may be allowed to register for four courses. Students regularly employed should not attempt to carry more than two courses.

A division of courses into three sections is recognized. First section courses, numbered from 1 to 19, inclusive, are planned primarily for lower classmen; second section courses, numbered from 20 to 49, inclusive, for upper classmen; and third section courses, numbered 50 and above, for graduate students. First section courses may not be

credited toward the higher degrees, and second section courses, unless otherwise noted, may be so credited only after additional work in them has been satisfactorily completed. Third section courses may not be entered by students without a bachelor's degree except with the approval of the instructors concerned. Candidates for the master's degree at George Washington University must complete at least six semester hours of work in the third section.

### HIGHER DEGREES

For a detailed statement of the requirements for the higher degrees the student is referred to the regular catalog of the University. For the degree of Ph. D. at least one year of attendance in the regular session is required, but the requirements for the degree of A. M. or M. S. in Chemistry, may be satisfied by Summer School attendance. These requirements involve the satisfactory completion of twenty-four semester hours of work, the completion of an essay and a minimum attendance of twenty-four weeks. The candidate's choice of subjects must be approved by his major department and the Dean of the School of Graduate Studies. Candidates for higher degrees should register in the School of Graduate Studies as well as in the Summer School.

### FEES

Tuition is charged at the rate of \$6.00 for each semester hour of work taken. This makes the charge for a course carrying two semester hours of credit \$12.00, and for three such courses, which is considered full work, \$36.00. Laboratory fees are additional as follows:

Chemistry S 2, S 3, and S 7, each.....	\$10.00
Chemistry S 20 .....	15.00
Chemistry S 21 .....	20.00
Chemistry S 8, Physics 4a or 4b.....	5.00

Breakage deposits, the amount paid in excess of breakage to be returned:

Chemistry S 2, S 3, S 7, S 8, S 72 and S 80.....	10.00
Chemistry S 20 .....	15.00
Chemistry S 21 .....	20.00
Microscope rental in Zoology X.....	2.00
Microscope rental in Zoology 3.....	5.00

### PAYMENT OF FEES

The Cashier's office, where all fees are paid, is located at 2033 G Street, across the hall from the Registrar's office. Fees are due upon registration, but the nine-week students may pay their fees in three



equal installments, July 1, July 15, and August 1, and the six-week students in two equal installments, July 1 and July 15. Students whose fees are not paid in full three days after the final dates mentioned and who have not made arrangements for later payment with the Director will be dropped.

Students who are compelled to withdraw before the end of the session should promptly notify the Registrar, who will make a fair adjustment of the fees. No separate registration fee is charged, but one dollar of the tuition fee may not be canceled. As the fiscal year of the University ends August 31, no requests for refunds can receive consideration after that date.

### LIBRARY

The University Library is located on the first floor of Lisner Hall (Building 4).

### DIRECTOR

The office of the Director of the Summer School is located on the second floor of Lisner Hall (4-25).

The office of the Associate Director of the Summer School is located on the third floor of Building 6.

### HOUSING FACILITIES

A register of approved rooms is kept in the office of the Dean of Women (2-11), where inquiries in respect to housing facilities should be addressed. Rooms in private houses, dining rooms, restaurants and cafeterias are found in abundance near the University.

### ASSEMBLY EXERCISES

It may truly be said that the education of an American citizen is not complete without a visit to the nation's capital. The knowledge gained forms a background for both intelligent and appreciative citizenship. This is doubly true of the American teacher. He needs this knowledge not only as a citizen but even more as a teacher. History, geography, literature, civics, and current events, are all vivified by a first-hand knowledge of Washington and its environment.

Cognizant of this fact, the Summer School of 1925 will continue the custom begun in 1924 of holding assembly exercises that will be of interest to the entire student body. These exercises will consist in the main of addresses on the administrative and scientific activities of the Government and independent foundations, of musical entertainments and of social functions.

## OFFICERS OF ADMINISTRATION

WILLIAM MATHER LEWIS, A.M., LL.D.	<i>President of the University</i>
HOWARD LINCOLN HODGKINS, Ph.D., Sc.D.	<i>Dean of the University</i>
WILLIAM CARL RUEDIGER, Ph.D.	<i>Director of the Summer School</i>
ELMER LOUIS KAYSER, M.A.	<i>Associate Director of the Summer School</i>
CHARLES WENDELL HOLMES	<i>Treasurer</i>
LINDA JANE KINCANNON, A.M.	<i>Registrar</i>
ALFRED FRANCIS WILLIAM SCHMIDT, A.M.	<i>Librarian</i>
JOHN RUSSELL MASON, A.B.	<i>Assistant Librarian</i>

## OFFICERS OF INSTRUCTION

S. F. ACREE, Ph.D.	<i>Professor of Chemistry</i>
LEVI RUSSELL ALDEN, A.M., LL.B.	<i>Professor of Commercial Law</i>
GEORGE KUMLEE ANDERSON, A.M.	<i>Instructor in English</i>
PAUL BARTSCH, Ph.D.	<i>Professor of Zoology</i>
RAY SMITH BASSLER, Ph.D.	<i>Professor of Geology</i>
ANDRE BENÉTEAU, B.L.	<i>Instructor in French</i>
ROBERT WHITNEY BOLWELL, Ph.D.	<i>Assistant Professor of English</i>
RAYMOND F. BORDEN, Ph.D.	<i>Assistant Professor of Mathematics</i>
PAUL W. BOWMAN, A.B.	<i>Assistant in Botany</i>
THOMAS BENJAMIN BROWN, Ph.D.	<i>Professor of Physics</i>
GEORGE M. CHURCHILL, Ph.D.	<i>Professor of History</i>
DEWITT CLINTON CROISSANT, Ph.D.	<i>Professor of English</i>
WALTER S. DEFFENBAUGH, A.M., Specialist U. S. Bureau of Education	<i>Education</i>
JOHN DONALDSON, Ph.D.	<i>Professor of Commerce</i>
HENRY GRATTAN DOYLE, A.M.	<i>Professor of Romance Languages</i>
C. G. EICHLIN, E.E.	<i>Professor of Physics, University of Maryland</i>
JOHN THOMAS ERWIN, A.M.	<i>Professor of Mathematics</i>
R. C. FOSTER, A.M.	<i>Instructor in Romance Languages</i>
VINCENT GOULD	<i>Assistant in Chemistry</i>
ROBERT F. GRIGGS, Ph.D.	<i>Professor of Botany</i>
PAUL E. GROPP, A.B.	<i>Instructor in German</i>
BONIFANT HAMILTON, M.S.	<i>Assistant in Chemistry</i>
R. M. HANN	<i>Assistant in Chemistry</i>
GEORGE NEELY HENNING, A.M., Litt.D.,	<i>Professor of Romance Languages and Dean of the School of Graduate Studies</i>
CHARLES E. HILL, Ph.D.	<i>Professor of Political Science</i>
HARRY GRANT HODGKINS, A.B.	<i>Associate Professor of Mathematics</i>
LAWRENCE G. HOOVER, A.M., Central High School, Washington,	
D. C.	<i>General Science</i>
ELMER LOUIS KAYSER, A.M.,	<i>Associate Professor of History and Secretary of the University</i>



ROBERT RUSS KERN, A.B.	<i>Professor of Economics</i>
E. H. KLEIN	<i>Assistant in Chemistry</i>
HIRAM C. MCNEIL, Ph.D.	<i>Professor of Chemistry</i>
FRED A. MOSS, Ph.D.	<i>Associate Professor of Psychology</i>
MERLE I. PROTZMAN, A.B.	<i>Instructor in Romance Languages</i>
MARY E. QUICK, A.B.	<i>Assistant in Zoology</i>
LOWELL J. RAGATZ, A.M.	<i>Instructor in History</i>
EDWARD E. RICHARDSON, M.D., Ph.D.	<i>Professor of Philosophy</i>
ALFRED F. W. SCHMIDT, A.M.	<i>Professor of German</i>
AUDLEY L. SMITH, A.M.	<i>Instructor in English</i>
J. W. SPROWLS, Ph.D., Professor of Philosophy, St. John's College,	<i>Education</i>
JAMES B. SULLIVAN, M.A.	<i>Instructor in Education</i>
HAROLD GRIFFITH SUTTON, M.S.	<i>Associate Professor of Economics</i>
PETER VALEAR, M.S.	<i>Assistant in Chemistry</i>
ANGEL C. VASQUEZ	<i>Instructor in Spanish</i>
WARREN REED WEST, Ph.D.	<i>Instructor in Political Science</i>
WILLIAM ALLEN WILBUR, A.M., Litt.D.,	<i>Professor of English and Dean of Columbian College</i>
ARTHUR D. WRIGHT, A.M., Ed.M.,	<i>Professor of Education, Dartmouth College</i>

## SCHEDULE OF CLASSES

The courses preceded by a capital S begin June 15, and those preceded by a small s on June 22. All classes meet five times a week or the equivalent. Credits are stated in semester hours.

Course.	7:45-8:40 A. M.	Credits.	Instructor.	Room.
S 1	Astronomy	3	Erwin	4-21
S 35	Corporation Finance	3	Sutton	C. H. 30
s 21b	Technique of Teaching	2	Sprouls	C. H. 25
S 25a	Junior High School	3	Sullivan	C. H. 15
s 26	Modern Education	2	Deffenbaugh	C. H. 17
s 2a	Rhetoric and Composition	3	Wilbur	4-27
S 6	Ancient History	3	Kayser	6-22
s 25	Political Theory	2	West	C. H. 21
8-10.				
s X	Nature Study	3	Bartsch	3-21
9:15-10:15.				
S 6	Ancient History	3	Griggs	3-31
s 30	Public Finance	2	Sutton	C. H. 36
s 1	Psychology	2	Sprowls	C. H. 25
s 22b	History of Education	2	Sullivan	C. H. 15
s XL	Vocational Guidance	2	Wright	C. H. 17
s 32	Shakespeare	2	Wilbur	4-27
s 24	U. S. History	2	Ragatz	6-22
s 21	Philosophy	2	Richardson	C. H. 24
s 3	State Governments	2	West	C. H. 21
10:15-11:15.				
s 1a	Economics	2	Sutton	C. H. 36
s 18b	Junior High School English	2	Sullivan	C. H. 15
s 50	The School Principal	2	Wright	C. H. 17
s 26	History of English Language	2	Anderson	C. H. 35
s XLI	"The Pilgrim's Progress"	2	Wilbur	4-27
s 32	European History	2	Ragatz	6-22
s 24	American Government	2	West	C. H. 21
11:15-12:15				
s X	Commerce and Industry	2	Donaldson	6-21
s 16a	General Science	2	Hoover	C. H. 36
s 21a	Educational Sociology	2	Sprowls	C. H. 25
s 31b	Tests and Measurements	2	Wright	C. H. 17
s XL	The Short Story	2	Anderson	C. H. 35
s 45	Modern Imperialism	2	Ragatz	6-22
s 23	Algebra and Geometry	2	Borden	4-21



## 4:10-5:00.

S 24	Plant Adaptation	3	Griggs	3-21
S 24b	American Literature since 1815	3	Croissant	6-12
S 10	Third-Year French	3	Henning	5-21
s 55	Seminar in History	2	Churchill	7-21
S 21	European Governments	3	Hill	C. H. 24

## 5:10-6:00.

S 21	Evolution	3	Griggs	5-12
S 33a	Contracts	2	Alden	C. H. 17
S 2a	Economics	3	Kern	C. H. 22
S 6a	English Literature	3	Bolwell	C. H. 23
S XX	Nineteenth Century Prose	3	Croissant	6-12
S 2	German (also at 6:55)	6	Gropp	C. H. 21
S IV	German	3	Schmidt	4-24
S 1	First-Year French (also at 6:55)	6	Protzman	5-21
S 4	Second-Year French (also at 6:55)	6	Henning	C. H. 32
S 7	Conversational French	3	Beneteau	C. H. 31
S 9a	American History	3	Churchill	7-21
S 4a	College Algebra	3	Hodgkins	5-11
S 9b	Analytic Geometry	3	Erwin	4-21
S 12b	Applied Psychology	3	Moss	5-22
S 3a	Introductory Physics	3	Brown	4-14
S 2	United States Government	3	Hill	C. H. 24
S 1	First-Year Spanish (also at 6:55)	6	Protzman	C. H. 15
S 4	Second-Year Spanish (also at 6:55)	6	Doyle	C. H. 25
S 3	Zoology (lecture)	8	Bartsch	3-21

## 5:10-6:55.

S 1	General Chemistry	6	McNeil	C. H. 39
S 8	Organic Chemistry	6	Hann	C. H.
S 24	Commercial Geography	6	Donaldson	6-21
S 2	Geology	4	Bassler	4-34

## 6:05-6:55.

S 33b	Commercial Paper	2	Alden	C. H. 17
S 2b	Economics (second semester)	3	Kern	C. H. 22
S 6b	English Literature	3	Bolwell	C. H. 23
S 24a	American Literature to 1815	3	Croissant	6-12
S 2b	French (second semester)	3	Protzman	C. H. 32
S 25b	English History	3	Churchill	7-21
S 37	The Renaissance	3	Kayser	6-22
S 1	Library Science	3	Schmidt	4-24
S 4b	Geometry and Trigonometry	3	Hodgkins	5-11
S 9a	Spherical Trigonometry	3	Erwin	4-21

S 12a	Psychology	3	Moss	5-22
S 26	Logic	3	Richardson	C. H. 24
S 3b	Introductory Physics	3	Brown	4-14
S 28	American Treaties	3	Hill	C. H. 24
S 2b	Spanish (second semester)	3	Doyle	C. H. 15
S 7	Conversational Spanish	3	Vasquez	C. H. 31

6:55-7:45.

S 23b	The Modern Novel	3	Bolwell	C. H. 23
S 38b	Romantic Movement	3	Smith	C. H. 17
S 2	German (also at 5:10)	6	Gropp	C. H. 21
S 1	First-Year French (also at 5:10)	6	Protzman	5-21
S 4	Second-Year French (also at 5:10)	6	Henning	C. H. 32
S 39	European History	3	Kayser	6-22
S 20	Library Science	3	Schmidt	4-24
S 28	Ethics	3	Richardson	C. H. 24
S 50	Seminar in Psychology	3	Moss	8-21
S 1	First-Year Spanish (also at 5:10)	6	Foster	C. H. 15
S 4	Second-Year Spanish (also at 5:10)	6	Doyle	C. H. 25

7:00-10:00.

S 2	Laboratory Chemistry	4	McNeil	C. H.
S 3	Inorganic Chemistry	4	McNeil	C. H.
S 7	Qualitative Analysis	4	McNeil	C. H.
S 4a	Laboratory Physics	2	Eichlin	4-14
S 4b	Laboratory Physics	2	Eichlin	4-14

7:50-8:40.

S 50	Library Science	3	Schmidt	4-24
S 51	Sociology	3	Kern	C. H. 22



## COURSES OF INSTRUCTION

The letter S, meaning Summer, is prefixed to the numbers of courses to distinguish them from the courses offered during the regular session of the University. Courses preceded by a capital S begin on June 15 and those preceded by a small s on June 22. Courses corresponding approximately to those offered during the regular session are given corresponding numbers. Courses not so corresponding are assigned Roman numerals. The letters a and b following some of the numbers signify correspondence respectively to first and to second semester work of the regular session.

Courses called for by less than ten students may be withdrawn.

## ASTRONOMY

S 1. *Popular Astronomy*.—A course in elementary descriptive astronomy designed to give facts of general interest without the use of higher mathematics. Recitations, lectures, and papers on special topics. At 7:45 a. m. Three semester-hour credits. Professor ERWIN.

## BOTANY

S 3. *Field Botany*.—First-hand study of local flora designed to familiarize the student with the native plants and with methods of identification. An all-day field trip Saturday is followed by a laboratory period Monday 2-4. This course, together with courses 1 and 2 given in the regular session, make up a rounded survey of plant life. The class will be organized Saturday, June 13, at 9 a. m. Three semester-hour credits. Professor GRIGGS.

S 21. *Evolution*.—Assigned reading, lectures and discussion of evolution. Text: Newman, Readings in Evolution, Genetics and Eugenics. Prerequisite: One year's work in college botany, zoology, or geology. At 5:10. Three semester-hour credits. Professor GRIGGS.

S 24. *Plant Adaptation*.—A study of the structural responses by which plants meet the conditions of special environments. Text: Cowles, Ecology. Prerequisite: Botany S 3 or 4 or equivalent. Class periods, Monday and Thursday at 4:10; laboratory, Wednesday and Friday, 3-5; field trip, Thursday afternoon. Three semester-hour credits. Professor GRIGGS.

## CHEMISTRY

S 1. *General Chemistry*.—A series of illustrated lectures, accompanied by recitations and exercises, on theoretical, inorganic, organic, and technical chemistry. 5:10-6:55. Six semester-hour credits. Professor McNEIL and Mr. KLEIN.

S 2. *Laboratory Practice*.—A laboratory course for the study of the principles of chemistry and the method of conducting chemical experiments. 2-5 or 7-10. Four semester-hour credits. Mr. HAMILTON.

Courses S 1 and S 2 should be taken together.

S 3. *Synthetic Inorganic Chemistry*.—Syntheses of inorganic compounds. 7-10. Four semester-hour credits. Mr. HAMILTON.

S 7. *Qualitative Analysis*.—A brief course intended primarily for students in engineering. 7-10. Four semester-hour credits. Mr. VALEAR.

S 8. *Elementary Organic Chemistry*.—A lecture and laboratory course including both the aliphatic and aromatic series of compounds. Sixty-four lectures and ninety-six hours of laboratory work. Hours to be arranged. Six semester-hour credits. Professor McNEIL and Mr. HANN.

S 23. *Organic Chemistry*.—An advanced course on the aliphatic compounds. Lectures and demonstrations. Four semester-hour credits. Hours to be arranged. Professor ACREE.

S 72. *Physical-Organic Chemistry*.—A course in which accurate practice preliminary to research is obtained in exceptionally well-equipped physical-organic laboratories. Four semester-hour credits. Professor ACREE.

S 80. *Physical-Organic Chemistry*.—Research work. Investigations in organic chemistry with the aid of physical chemical methods and equipment are offered students desiring the degree of M.S. or Ph.D. in Chemistry. Laboratory work, reading of original literature, and seminar work are required at times suitable to the student. Professor ACREE.

The following courses will be given if sufficient demand exists:

S 20. *Qualitative Analysis*.—Six semester hours.

S 21. *Quantitative Analysis*.—Eight semester hours.

## COMMERCE

s X. *Commerce and Industry*.—A brief survey of the principles of industrial and commercial geography, and of the resources and industries of the world and commodities in world trade. Two semester-hour credits. At 11:15. Professor DONALDSON.

S 24. *Industrial and Commercial Geography*.—An analysis of the economic aspects of the facts and principles of geography, and a survey of the chief industries of the world and of the principal commodities in world trade. Prerequisite: General Economics. 5:10-6:55. Six semester-hour credits. Professor DONALDSON.



S 33a. *Commercial Law*.—Contracts. At 5:10. Two semester-hour credits. Professor ALDEN.

S 33b. *Commercial Law*.—Commercial Paper. At 6:05. Two semester-hour credits. Professor ALDEN.

### ECONOMICS AND SOCIOLOGY

s 1a. *General Economics*.—An introduction to the fundamental concepts of economics. Attention is directed to the production and consumption of wealth, value, and price, and the organization of business enterprise. At 10:15. Two semester-hour credits. Associate Professor SUTTON.

S 2a. *General Economics*.—This course deals with the problems of the distribution of wealth and such questions as value, prices, wages, rent, and interest. At 5:10. Three semester-hour credits. Professor KERN.

S 2b. *General Economics* (second semester).—This course deals with the organization of the industrial system and embraces an analysis of marketing, efficient methods of production, and money and banking. A discussion of such modern programs as the trust movement, government ownership, and the like is included. At 6:05. Three semester-hour credits. Professor KERN.

(Courses S 2a and S 2b may be taken concurrently.)

s 30. *Public Finance*.—A study of the problems involved in securing and spending the funds required for the performance of State functions; the social and economic consequences of present-day taxation and borrowing; budget-making. The course is designed for teachers of civics and government. At 9:15. Two semester-hour credits. Associate Professor SUTTON.

S 35. *Corporation Finance*.—A brief survey of the financial structure and problems of modern business corporations. Prerequisite: General Economics. At 7:45 a. m. Three semester-hour credits. Associate Professor SUTTON.

S 51. *Seminar in Sociology*.—An advanced course in experimental sociology devoted to the careful observation of social behavior and to the conducting of experiments designed to lead to the development of better technics for the control of social conduct. It includes also an analysis of social customs and a study of the sources of their development. At 7:50 p. m. Three semester-hour credits. Professor KERN.

### EDUCATION

s 1. *Educational Psychology*.—Same as Psychology s 1. At 9:15. Two semester-hour credits. Professor SPROWL.

S VI. *Junior High School History*.—Same as History S 5. At 7:45 a. m. Three semester-hour credits. Associate Professor KAYSER.

§ 16a. *Junior High School Science*.—A course in the teaching of general science. At 11:15. Two semester-hour credits. Mr. HOOVER.

§ 18b. *Junior High School English*.—The teaching of English in the seventh, eighth and ninth grades. Course of study, textbooks, methods of teaching; literature for early adolescence. Selections of various types will be read to the extent that time permits. At 10:15. Two semester-hour credits. Mr. SULLIVAN.

§ 21a. *Educational Sociology*.—A study of the aspects of modern society in their relation to public education. Text, parallel readings, and reports. At 11:15. Two semester-hour credits. Professor SPROWLS.

§ 21b. *Technique of Teaching*.—A study of the recitation as a means for articulation of pupil and subject-matter. The function of subject-matter and its presentation; lesson planning and assignment; drill, review, and examinations. At 7:45 a. m. Two semester-hour credits. Professor SPROWLS.

§ 22b. *History of Education*.—A study of educational movements and practices from the revival of learning to the present time. At 9:15. Two semester-hour credits. Mr. SULLIVAN.

§ 25a. *The Junior High School*.—A study of the development of the Junior High School, with special reference to the curriculum and methods of instruction. At 7:45 a. m. Three semester-hour credits. Mr. SULLIVAN. (June 15–August 15.)

§ 26. *Modern Educational Developments*.—A study of such recent developments as the Dalton plan, the Winnetka plan, the Gary system, and free discipline. At 7:45 a. m. Two semester-hour credits. Mr. DEFFENBAUGH.

§ 31b. *Educational Tests and Measurements*.—In this course the students will be introduced to the study of educational tests with consideration of the technique of their construction and administration, the interpretation of their results, and the modification of methods and programs to meet the conditions revealed. At 11:15. Two semester-hour credits. Professor WRIGHT.

§ XL. *Vocational Guidance*.—This course undertakes to give the principles of vocational guidance as they affect school procedure and society in general, bringing out the connection with the teaching of vocational subjects. At 9:15. Two semester-hour credits. Professor WRIGHT.

§ 50. *The School Principal*.—A study of the opportunities and functions of the principal in relation to elementary and secondary education. A paper embodying constructive scholarship will be required of each member of the class. At 10:15. Two semester-hour credits. Professor WRIGHT.



## ENGLISH

s 2a. *English Rhetoric*.—The course covers the text of the regular course for the first semester, including practice in composition. Lectures and conferences. At 7:45 a. m. Three semester-hour credits. Professor WILBUR and Mr. ANDERSON. (June 22–August 1.)

S 6a. *Survey of English Literature*.—A study of English literature from the epic period to the end of the eighteenth century. At 5:10. Three semester-hour credits. Associate Professor BOLWELL and Mr. SMITH.

S 6b. *Survey of English Literature*.—A course in the literature of the nineteenth century. At 6:05. Three semester-hour credits. Associate Professor BOLWELL and Mr. SMITH.

S XX. *Nineteenth Century Prose*.—At 5:10. Three semester-hour credits. Professor CROISSANT.

S 23b. *The Modern Novel*.—At 6:55. Three semester-hour credits. Associate Professor BOLWELL.

S 24a. *American Literature to 1815*.—Lectures, with reading and discussion of typical selections. At 6:05. Three semester-hour credits. Professor CROISSANT.

S 24b. *American Literature since 1815*.—Lectures, with reading and discussion of typical selections. At 4:10. Three semester-hour credits. Professor CROISSANT.

s 26. *The History of the English Language*.—At 10:15. Two semester-hour credits. Mr. ANDERSON.

s 32. *Shakespeare*.—The following plays will be studied: "Troilus and Cressida," "Measure and Measure," "Timon of Athens," "Pericles," "Cymbeline," "Winter's Tale," "The Tempest." At 9:15. Two semester-hour credits. Professor WILBUR.

S 38b. *The Romantic Movement*.—A study of early nineteenth century poetry. At 6:55. Three semester-hour credits. Mr. SMITH.

s XL. *The Short Story*.—A practical course in short-story writing. Lectures, reading, and conferences. At 11:15. Two semester-hour credits. Mr. ANDERSON.

s XLI. *"The Pilgrim's Progress"*.—At 10:15. Two semester-hour credits. Professor WILBUR.

## FRENCH

S 1. *First-Year Course*.—For beginners. Grammar, translation, drill on pronunciation. Fraser and Squair's French Grammar. Texts to be announced. Students who complete this course successfully will be admitted to second-year course, French 3 or 4, in the fall. Twice daily, at 5:10 and 6:55. Six semester-hour credits. Assistant Professor PROTZMAN.

S 2b. *Second Semester of First-Year Course.*—Open to students who have just completed successfully one year of high school French or the first semester of first-year college French. At 6:05. Three semester-hour credits. Professor HENNING or Assistant Professor PROTZMAN.

S 4. *Second-Year Course.*—Open to students who have completed successfully two years of high-school French or one year of college French. Grammar, translation, and reading. Fraser and Squair's French Grammar. First text, Mérimée, "Colomba" (D. C. Heath & Co.). Students who complete this course successfully will be admitted to third-year course, French 5 or 6, in the fall. Twice daily, at 5:10 and 6:55. Six semester-hour credits. Professor HENNING.

Note.—Students electing French S 1 or S 4 may take no class at 8 o'clock. An assignment for study will be made at 5:10 for the 6:55 period.

S 7. *Composition and Conversation.*—Open to students who have completed successfully two years of high school French or one year of college French. This course may not be substituted for any part of the curriculum requirements for two years of modern languages. Students receiving grade A or B in this course may enter French 8 in the fall. At 5:10. Three semester-hour credits. M. BENÉTEAU.

S 10. *Third-Year Course.*—Open to students who have completed successfully four years of high school French or two years of college French. A course in modern fiction, intended for students who wish to have facility in reading French, and some idea of French literature. It does not prepare directly for courses of the second group, "For Undergraduates and Graduates," but students who complete this course may later take Course 5 or 6 and count both courses toward the degree. At 4:10. Three semester-hour credits. Professor HENNING. Given only if elected by at least ten students.

## GEOLOGY

S 2. *Geology.*—Systematic geology; dynamical, structural and stratigraphical. The course is designed to form a part of a general-culture course, or a preliminary course for those intending to make a specialty of geology. It includes lectures, recitations, laboratory and field work so far as hours will permit. Paleontology is treated as a branch of geology, having especial reference to stratigraphy and correlation. Text-book: Cleland's Geology. 5:10–6:55. Four semester-hour credits. Professor BASSLER.

## GERMAN

S 2. *First-Year German.*—The essentials of German grammar, translation of easy prose and poetry; beginning conversation; compo-



sition and dictation. Students who complete this course successfully will be admitted to second-year college German. At 5:10 and 6:55. No class may be taken at 6 o'clock. Six semester-hour credits. Mr. GROPP.

S IV. *Conversation and Rapid Reading*.—This course is open to students who have had one year of college German or its equivalent. Three semester-hour credits. At 5:10. Professor SCHMIDT.

### HISTORY

S 6. *Ancient History*.—The History of Rome to 565 A. D. Special conferences will be arranged for students who desire work in method for teaching history in the Junior High School. At 7:45 a. m. Three semester-hour credits. Associate Professor KAYSER.

S 9a. *American History*.—An introductory course from the Discovery to the Jacksonian Period. Text, lectures, collateral reading, and reports. At 5:10. Three semester-hour credits. Professor CHURCHILL.

s 24. *The United States since the Civil War*.—The social, economic, and political development of the reunited nation and the rise of America as a world power. Text, discussions, and assigned reading. At 9:15. Two semester-hour credits. Mr. RAGATZ.

S 25b. *English History*.—A general course in English History from the Reformation to the Reform Bill, with particular attention to political and constitutional development. Text, lectures, collateral reading, and reports. At 6:05. Three semester-hour credits. Professor CHURCHILL.

s 32. *Europe since 1870*.—National rivalries, the political and economic background to 1914, and the Great War through the Treaty of Versailles. Text, discussions, and collateral reading. At 10:15. Two semester-hour credits. Mr. RAGATZ.

S 37. *The Renaissance*.—A study of the beginnings of the Modern Period, with emphasis on evolution of political, social, economic, religious, intellectual, and artistic ideas and institutions during the period. At 6:05. Three semester-hour credits. Associate Professor KAYSER.

s 45. *Modern Imperialism*.—A study of colonial expansion during the nineteenth and twentieth centuries, with special reference to the partition of Africa and Asia and overseas rivalries of the European powers. Prerequisite: A course in modern European history. Texts, lectures, and special reading. At 11:15. Two semester-hour credits. Mr. RAGATZ.

s 55. *Seminary in English and American History*.—The topics studied will be changed from year to year to give an opportunity for continued graduate work. For 1925 the subject will be "The Colonial Period of American History." At 4:10. Two semester-hour credits. Professor CHURCHILL.

## LAW

A separate Bulletin for the work offered in the Law School is published.

## LIBRARY SCIENCE

S 1. *Cataloguing*.—This course is designed to cover the general principles of library science, with special emphasis on the elements of cataloguing. Three semester-hour credits. At 6:05. Professor SCHMIDT.

S 20. *Classification*.—The general principles and distinguishing characteristics of the Dewey, Cutter, and Library of Congress systems are discussed and books classified according to each, with accompanying practice in shelf-listing and book-notation. Prerequisite: Course S 1 or practical library work. At 6:55. Three semester-hour credits. Professor SCHMIDT.

S 50. *Seminar*.—The study of special problems involving constructive work and independent research. At 7:50. Three semester-hour credits. Professor SCHMIDT.

## MATHEMATICS

S 4a. *College Algebra*.—Starting with a review of quadratics. At 5:10. Three semester-hour credits. Associate Professor HODGKINS.

S 4b. *Geometry and Trigonometry*.—Solid geometry and all of plane trigonometry. At 6:05. Three semester-hour credits. Associate Professor HODGKINS.

S 9a. *Plane and Spherical Trigonometry*.—This course is offered primarily for students who have had Plane Trigonometry. Three semester-hour credits. At 6:05. Professor ERWIN.

S 9b. *Analytic Geometry*.—This course is offered to students who have had Plane and Spherical Trigonometry. Three semester-hour credits. At 5:10. Professor ERWIN.

(Courses S 9a and S 9b may be taken concurrently.)

s 23. *Fundamental Concepts of Algebra and Geometry*.—Significance of definitions and postulates; number system; irrationals; ruler and compass constructions; transcendental numbers; interrelation of Algebra and Geometry. Designed for teachers of Mathematics. At 11:15. Two semester-hour credits. Assistant Professor BORDEN.

## MEDICINE

The following two courses are offered in the Medical School.

20. *Bacteriology*.—This course consists of forty-eight lectures and quizzes and ninety-six hours in the laboratory. Special tuition fee, \$60.00 Dr. HUNTER.



22. *Clinical Microscopy and Parasitology*.—This course consists of twenty-four hours of didactic instruction and forty-eight hours in the laboratory. Special tuition fee, \$36.00. Dr. HUNTER.

### NATURE STUDY

(See Botany and Zoology.)

### PHILOSOPHY

s21. *Philosophy*.—This course is intended to give a general survey of the subject for beginners. At 9:15. Two semester-hour credits. Professor RICHARDSON.

S 26. *Logic*.—A study of the fundamental concepts of logic: induction and deduction; hypotheses; logical analyses. At 6:05. Three semester-hour credits. Professor RICHARDSON.

S 28. *Ethics*.—A study of the principal ethical theories from the historical and social points of view. At 6:55. Three semester-hour credits. Professor RICHARDSON.

### PHYSICS

S 3a. *Introductory General Physics*.—Mechanics, Heat, and Electrostatics. At 5:10. Three semester-hour credits. Professor BROWN.

S 3b. *Introductory General Physics*.—Magnetism and Electricity, Sound, and Light. At 6:05. Three semester-hour credits. Professor BROWN.

S 4a and S 4b. *Laboratory Physics*.—The schedules of experiments are arranged to parallel the lecture courses, but different schedules may be arranged in special cases. Two semester-hour credits for either course. 7-10 p. m. Professor EICHLIN.

### POLITICAL SCIENCE

S 2. *Government of the United States*.—The Constitution; its background; how it serves as the foundation for American political institutions; the structure and the powers of our Government; a digest of a dozen of the more important decisions of the Supreme Court; and the relation of Government to present-day problems. At 5:10. Three semester-hour credits. Professor HILL.

s 3. *State Government*.—The relation of the States to the United States, public opinion, police power, legislative organization and executive responsibility form the chief topics. A rapid survey is made of the types of city government and of the county and township governments. 9:15 a. m. Two semester-hour credits. Dr. WEST.

S 21. *European Governments*.—The organization, the powers, and the problems of the governments of Great Britain, France, Italy, Switzerland, and to a slight extent of Germany. At 4:10. Three semester-hour credits. Professor HILL.

§ 24. *Advanced American Government*.—This course deals primarily with the principles under which the Government of the United States operates, as developed in the leading court decisions. The powers of the Federal Government and of the States, the powers and procedure of American legislative bodies, and the rights and obligations of the individual will be studied. 10:15 a. m. Two semester-hour credits. Dr. WEST.

§ 25. *Political Theory*.—The political ideas of Plato, Aristotle, Machiavelli, Rousseau and others; the political theory of the American Revolution, the controversy over States' rights, and the development of democratic ideas are rapidly surveyed with the purpose of giving the student a knowledge of ancient and modern ideas of the purpose for which the State exists and of analyzing the State as a legal entity. 7:45 a. m. Two semester-hour credits. Dr. WEST.

§ 28. *Leading American Treaties*.—An analysis of the historical setting and the chief provisions of fifteen of our leading treaties is followed by a summary of the causes that led the United States into the Great War, of what was accomplished at the Paris Peace Conference, of the treaty of peace between the United States and Germany, of the achievements of the Permanent Court of International Justice, and of the Washington Conference. At 6:05. Three semester-hour credits. Professor HILL.

### PSYCHOLOGY

§ 1. *Psychology*.—A rapid survey of the facts and principles of general psychology, followed by a more detailed consideration of the psychology and pedagogy of learning. At 9:15. Two semester-hour credits. Professor SPROWLS.

§ 12a. *Psychology*.—An introductory study of human behavior. At 6:05. Three semester-hour credits. Associate Professor MOSS.

§ 12b. *Applied Psychology*.—A study of the applications of psychology in business, industry, law, medicine, and education. At 5:10. Three semester-hour credits. Associate Professor MOSS.

§ 50. *Seminar*.—A study of the development and uses of psychological tests. The work will consist mainly of two parts: (1) A report on the present status of tests for specific vocations, and (2) an analysis of the duties of these vocations and further suggested tests for them. Students admitted to the class only with the consent of the instructor. At 6:55. Three semester-hour credits. Associate Professor MOSS.

### SPANISH

§ 1. *First-Year Course*.—For beginners. Elements of Spanish grammar; drill in pronunciation; oral and written composition; translation of modern Spanish prose. Hills and Ford's First Spanish Course



(Heath). Twice daily, at 5:10 and at 6:55. Equivalent to one year of college Spanish. Six semester-hour credits. Professor DOYLE or Assistant Professor PROTZMAN.

S 2b. *Second Semester of First-Year Course*.—Open to students who have just completed satisfactorily one year of high school Spanish or the first semester of college Spanish. Hills and Ford's First Spanish Course (Heath); Rivera and Doyle's *En España* (Silver, Burdett) At 6:05. Three semester-hour credits. Professor DOYLE.

S 4. *Second-Year Course*.—Open to students who have completed two years of high school Spanish or one year of college Spanish. Review of grammar; composition; translation of modern Spanish prose and poetry. Seymour and Carnahan's Spanish Review Grammar (Heath); Benavente, *Tres Comedias* (Heath). Twice daily, at 5:10 and 6:55. Equivalent to Spanish 3 or 4, given during the regular session. Six semester-hour credits. Professor DOYLE. (Given only if at least ten students enroll.)

Note.—Students electing Spanish S 1 or S 4 may take no class at 6 o'clock. An assignment for study will be made at 5:10 for the 6:55 period.

S 7. *Conversation and Composition*.—Open to students who have had one year of college Spanish or its equivalent. Oral and written composition; conversation. At 6:05. Three semester-hour credits. Mr. VÁZQUEZ. (Cannot be counted to meet the curriculum requirement in modern language. Students receiving grade A or B in this course may enter Spanish 8 in the fall.)

## ZOOLOGY

S 3. *Zoology*.—Invertebrates and vertebrates. A lecture and laboratory course covering the pre-medical requirements. Lecture at 5:10. Laboratory, 6-9. Eight semester-hour credits. Professor BARTSCH and Miss QUICK.

s X. *Nature Study*.—An out-of-doors nature study course, concerned with observing, gathering, and studying the animal life, large and small, found about Washington. Field trips, laboratory work, lectures, and reading. 8-10 a. m. Three semester-hour credits. Professor BARTSCH and Miss QUICK.

## THE MEDICAL SCHOOL

### FACULTY

The names are arranged in the several groups in the order of assignment.

#### PRESIDENT OF THE UNIVERSITY

WILLIAM MATHER LEWIS, A. M., LL. D.

#### DEAN OF THE MEDICAL SCHOOL

WILLIAM CLINE BORDEN, M. D.

*Professor of Surgery*

Lieutenant-Colonel, Medical Corps, United States Army, Retired; *Surgeon-in-Chief to The George Washington University Hospital and Dispensary.*

2306 Tracy Place

#### PROFESSORS EMERITUS

D. KERFOOT SHUTE, A. M., M. D.

*Clinical Professor of Ophthalmology, Emeritus*

HENRY CRECY YARROW, M. D.

*Professor of Dermatology, Emeritus*

WILLIAM K. BUTLER, A. M., M. D.

*Professor of Ophthalmology, Emeritus*

STERLING RUFFIN, M. D.

*Professor of Medicine, Emeritus*

CHARLES WILLIAMSON RICHARDSON, M. D., Sc. D.

*Professor of Laryngology, Rhinology and Otology, Emeritus*

#### PROFESSORS

JOHN WESLEY BOVEÉ, M. D.

*Professor of Gynecology*

Gynecologist to the Columbia Hospital for Women; Gynecological Surgeon, Government Hospital for the Insane; *Gynecologist-in-Chief to The George Washington University Hospital and Dispensary.*

1519 Rhode Island Avenue

FRANCIS RANDALL HAGNER, M. D.

*Professor of Genito-Urinary Surgery and Venereal Diseases*

Genito-Urinary Surgeon to the Garfield Memorial Hospital; *Chief of the Genito-Urinary Clinic, The George Washington University Hospital and Dispensary.*

The Farragut



WILLIAM ALANSON WHITE, M. D.

*Professor of Psychiatry and Clinical Professor of Neurology*

Superintendent of St. Elizabeth's Hospital, District of Columbia; Lecturer on Psychiatry, U. S. Army Medical School and U. S. Navy Medical School.

St. Elizabeth's Hospital

OSCAR BENWOOD HUNTER, A. M., M. D.

*Assistant Dean and Professor of Bacteriology and Pathology*

Consulting Pathologist to the Casualty Hospital; Pathologist to The George Washington University Hospital and Dispensary.

31 East Oxford Street, Chevy Chase

HURON WILLIS LAWSON, S. M., M. D.

*Professor of Obstetrics*

Obstetrician, Columbia Hospital for Women; Obstetrician-in-Chief, The George Washington University Hospital and Dispensary.

1717 N Street N. W.

THOMAS CHARLES MARTIN, Ph. D., M. D.

*Professor of Proctology*

The Rochambeau

WILLIAM THORNWALL DAVIS, M. D.

*Professor of Ophthalmology*

Associate Ophthalmologist, The Episcopal Eye, Ear and Throat Hospital; Garfield Memorial Hospital; Columbia Hospital for Women.

927 Farragut Square

CUSTIS LEE HALL, M. D.

*Professor of Orthopedic Surgery*

Orthopedic Surgeon to the Children's Hospital; The Garfield Memorial Hospital; Associate Orthopedic Surgeon to Providence Hospital and to Emergency Hospital; Orthopedic Surgeon to The George Washington University Hospital and Dispensary.

901 16th Street

ARTHUR C. CHRISTIE, M. S., M. D.

*Professor of Roentgenology*

Roentgenologist-in-Chief, The George Washington University Hospital and Dispensary.

1909 Massachusetts Ave.

GEORGE B. JENKINS, M. D.

*Professor of Anatomy*

3623 T Street

TOMÁS CAJIGAS, B. S., M. S., M. D.

*Professor of Pathology*

Director, Clinical Laboratory, The George Washington University Hospital and Dispensary.

1834 16th Street

## THE MEDICAL SCHOOL

JOSEPH HYRAM ROE, A. M., Ph. D.

*Professor of Chemistry**Chemist to the George Washington University Hospital.*

1906 N Street

HENRY COOK MACATEE, M. D.

*Professor of Therapeutics**Attending Physician, Garfield Memorial Hospital.*

1478 Harvard Street

BUCKNER MAGILL RANDOLPH, M. D.

*Professor of Clinical Medicine and Director of Clinics**Physician, George Washington University Hospital.*

2010 R Street N. W.

SEWALL MUNSON CORBETT, M. D.

*Professor of Military Science and Tactics**Major, Medical Corps, United States Army.*

Arlington, Va.

HARRY HAMPTON DONNALLY, A. M., M. D.

*Professor of Pediatrics**Attending Physician and Secretary Medical Staff, Children's Hospital; Attending Physician Washington Home for Foundlings; Consulting Pediatrician, Columbia Lying-In Hospital; Pediatrician, George Washington University Hospital.*

1612 Eye Street N. W.

HARRY HYLAND KERR, M. D., C. M.

*Professor of Neurological Surgery**Attending Surgeon to the Children's Hospital, Garfield Memorial Hospital, and Consulting Brain Surgeon to the Providence Hospital; Consulting Surgeon, Columbia Hospital.*

1744 N Street

WILLIAM JOHNSTON MALLORY, A. M., M. D.

*Professor of Medicine**Physician, George Washington University Hospital.*

1720 Connecticut Avenue

J. LAWN THOMPSON, A. M., M. D.

*Professor of Medicine**Chief, Medical Service, Providence Hospital.*

1735 20th Street

WALTER FREEMAN, M. D.

*Professor of Neuropathology**Director of Laboratories, St. Elizabeth's Hospital.*

3039 Que Street N. W.



OTTO NELLIS WARNER, M. D.

*Professor of Anaesthesia*

Anæsthetist-in-Chief, Providence Hospital.

Providence Hospital

C. AUGUSTUS SIMPSON, M. D.

*Professor of Dermatology*

Dermatologist in Chief, Providence, Emergency and Episcopal Eye, Ear and Throat Hospitals; Dermatologist to Garfield Hospital, and to the Washington City and St. Ann's Orphanages.

1610 20th Street

JOSEPH DUERSON STOUT, A. M., M. D., Ph. D.

*Professor of Neurology*

Neurologist, The Emergency Hospital Dispensary; Neurologist, The George Washington University Hospital and Dispensary.

3000 Porter Street

GEORGE B. ROTH, M. D.

*Professor of Physiology and Pharmacology*

801 Butternut Street

ERNEST F. BOSTROM, Ph. D.

*Professor of Physiology*

Physiologist to the George Washington University Hospital.

3218 Wisconsin Avenue

JAMES E. HOUGHTON, M. D.

*Professor of Preventive Medicine and Hygiene*

Director of Laboratories and Instructor in Bacteriology, Naval Medical School.

Edgemoor, Md.

GLENMORE F. CLARK, M. D.

*Professor of Tropical Medicine*

Lt. Commander, Medical Corps, U. S. Navy.

Naval Medical School

VIRGINIUS DABNEY, M. D.

*Professor of Laryngology and Otology*

Otolaryngologist, Garfield Memorial Hospital and Washington Orphan Asylum; Junior Surgeon, Episcopal Eye, Ear and Throat Hospital; *Laryngologist to the George Washington University Hospital.*

1633 Connecticut Avenue

JOHN PAUL EARNEST, A. M., LL. M.

*Professor of Medical Jurisprudence*

Professor of Law, George Washington University Law School.

3718 Huntington Street

COURSEN BAXTER CONKLIN, B. S., M. D.

*Professor of Physical Diagnosis*

Assistant Attending Physician, Children's Hospital; Attending Physician, St. John's Orphanage; Associate Physician to the George Washington University Hospital.

Medical Science Building

### ASSOCIATE PROFESSORS

CHARLES STANLEY WHITE, M. D.

*Associate Professor of Surgery*

Visiting Surgeon, Providence Hospital; Visiting Surgeon, Garfield Hospital; Consulting Surgeon, Episcopal Eye, Ear and Throat Hospital; Consulting Surgeon, Columbia Hospital; Associate Surgeon, The George Washington University Hospital.

911 16th Street

DANIEL LERAY BORDEN, A. M., M. D.

*Associate Professor of Surgery*

Associate Surgeon, Emergency Hospital; Attending Surgeon, Children's Hospital; Surgeon to the Police and Fire Departments, D. C.; Associate Surgeon, The George Washington University Hospital.

The Rochambeau

THOMAS A. GROOVER, M. D.

*Associate Professor of Roentgenology*

Roentgenologist to the Emergency Hospital; Associate Roentgenologist to The George Washington University Hospital and Dispensary.

1909 Massachusetts Avenue

JAMES H. DEFANDORF, A. M.

*Associate Professor of Physiology and Pharmacology and Assistant Evaluator, Premedical Credentials*

2926 Porter Street N. W.

OLIVER J. IRISH, M. S.

*Associate Professor of Chemistry*

906 Emerson Street

HARRY A. ONG, M. D.

*Associate Professor of Pediatrics*

Attending Physician, Children's Hospital.

The Rochambeau

LESLIE HAWSON FRENCH, M. D.

*Associate Professor of Anatomy*

1339 H Street N. W.

HOWARD FRANCIS KANE, A. B., M. D.

*Associate Professor of Obstetrics*

Attending Obstetrician, Gallinger and Freedmen's Hospitals; Associate Obstetrician, Columbia Hospital for Women; Associate Obstetrician, George Washington University Hospital.

The Farragut



CLINICAL PROFESSORS

AURELIUS RIVES SHANDS, M. D.

*Clinical Professor of Orthopedic Surgery*

Attending Orthopedic Surgeon to the Central Dispensary and Emergency Hospital;  
Consulting Surgeon to the Home for Incurables.

901 16th Street

THOMAS ASH CLAYTOR, M. D.

*Clinical Professor of Medicine*

Attending Physician to the Garfield Memorial Hospital, and Consulting Physician,  
Tuberculosis Hospital.

1826 R Street

ALBERT LIVINGSTON STAVELY, M. D.

*Clinical Professor of Gynecology*

Gynecologist to the Garfield Memorial Hospital.

1744 M Street

GIDEON BROWN MILLER, B. Sc., C. E., M. D.

*Clinical Professor of Gynecology*

Attending Gynecologist to the Garfield Memorial Hospital, the Central Dispensary and  
Emergency Hospital, and the Columbia Hospital for Women.

1730 K Street

WILLIAM SINCLAIR BOWEN, M. D.

*Clinical Professor of Obstetrics*

Attending Obstetrician to Columbia Hospital for Women, and Garfield Memorial  
Hospital.

The Farragut

OSCAR ADDISON MACK McKIMMIE, M. D.

*Clinical Professor of Laryngology and Otology*

Surgeon to the Episcopal Eye, Ear and Throat Hospital.

1301 Massachusetts Avenue

FRANK LEECH, M. D.

*Clinical Professor of Medicine*

Attending Physician, Garfield Memorial Hospital, and Children's Hospital.

1359 Columbia Road

JAMES F. MITCHELL, A. B., M. D.

*Clinical Professor of Surgery*

Chief, Surgical Service, Emergency Hospital; Attending Surgeon, Children's Hospital.

1344 19th Street

THOMAS S. LEE, A. B., M. D.

*Clinical Professor of Medicine*

Attending Physician, Gallinger Memorial Hospital; Consulting Physician, Providence  
Hospital.

2109 O Street

WILLIAM DAVIS TEWKSBURY, M. D.

*Clinical Professor of Medicine*

Physician in Charge, Tuberculosis Hospital.

Medical Science Building

CARL HENNING, M. D.

*Clinical Professor of Ophthalmology*

Senior Surgeon, Episcopal Eye, Ear and Throat Hospital; Attending Ophthalmologist, Providence Hospital.

1610 Eye Street

EDWARD G. SEIBERT, Ph. G., M. D.

*Clinical Professor of Laryngology, Rhinology and Otology*

Associate in Laryngology to the George Washington University Hospital and Dispensary.

1545 Eye Street

HOMER G. FULLER, M. D.

*Clinical Professor of Genito-Urinary Surgery*

Attending Genito-Urinary Surgeon, Garfield Memorial Hospital.

1616 Belmont Street

NOLAN DON CHARPENTIER LEWIS, M. D.

*Clinical Professor of Psychiatry*

Director of Clinical Psychiatry, St. Elizabeth's Hospital; Lecturer, Neuro-Pathology, Naval Medical School.

St. Elizabeth's Hospital

GEORGE NICHOLAS ACKER, 2d, B. S., M. D.

*Clinical Professor of Medicine*

Associate Physician, Emergency Hospital; Attending Physician, Garfield Memorial Hospital.

2015 Q Street N. W.

#### ASSOCIATES

FRANK ADELBERT HORNADAY, S. B., M. S., M. D.

*Associate in Medicine*

Assistant Attending Physician, Children's Hospital; Attending Physician, Child Hygiene Service; Evaluator, Premedical Credentials; Attending Physician, The George Washington University Dispensary.

The Rochambeau

EDWIN A. MERRITT, M. D.

*Associate in Roentgenology*

Roentgenologist to the Garfield Memorial Hospital.

1821 Connecticut Avenue

CLINE N. CHIPMAN, M. D.

*Associate in Anaesthesia*

Anaesthetist to The George Washington University Hospital.

1420 Rhode Island Avenue



CHARLES W. HYDE, M. D.

*Associate in Anaesthesia*

*Anaesthetist to The George Washington University Hospital.*

The Parkwood

ELIJAH WHITE TITUS, M. D.

*Associate in Gynecology*

*Associate Gynecologist, Columbia Hospital for Women; Attending Gynecologist, The George Washington University Dispensary.*

The Rochambeau

CYRUS WHITNEY CULVER, M. D., C. M.

*Associate in Obstetrics*

*Director, Out-Patient Obstetric Service; Attending Obstetrician, The George Washington University Dispensary.*

MARY O'MALLEY, M. D.

*Associate in Psychiatry*

*Clinical Director, St. Elizabeth's Hospital; Consulting Psychiatrist, Gallinger Memorial Hospital; Lecturer on Psychiatry, Post Graduate School of Neurology and Psychiatry; Lecturer on Psychiatry, U. S. Veterans' Bureau Post Graduate School of Neuro-Psychiatry.*

St. Elizabeth's Hospital

WILLIAM BERRY MARBURY, M. D.

*Associate in Surgery*

*Attending Surgeon, Providence Hospital; Associate Surgeon, Emergency Hospital and Children's Hospital.*

1015 16th Street

PRESTON ALEXANDER McLENDON, B. S., M. D.

*Associate in Pediatrics*

*Assistant Attending Physician, Children's Hospital.*

2002 R Street

WATSON WILLIAM ELDRIDGE, M. D.

*Associate in Medicine*

*Chief of Department of Medicine and Surgery, St. Elizabeth's Hospital; Former Attending Physician in Gastro-Enterology, New York University and Bellevue Hospital Medical School; Lecturer on Medical Diagnosis and Roentgenology in the Insane, U. S. Veterans' Bureau Post Graduate School of Neuro-Psychiatry.*

St. Elizabeth's Hospital

FRANCIS G. SPEIDEL, M. D.

*Associate in Anaesthesia*

*Associate Anaesthetist, George Washington University Hospital and Emergency Hospital.*

The Rochambeau

DANIEL C. MAIN, M. D.

*Associate in Psychiatry*

*Medical Officer, St. Elizabeth's Hospital.*

St. Elizabeth's Hospital

RALPH S. PENDEXTER, LL. B., M. D.

*Associate in Ophthalmology*Assistant Surgeon, Episcopal Eye, Ear and Throat Hospital; *Attending Ophthalmologist, The George Washington University Dispensary.*

The Champlain Apts.

HARRY S. BERNTON, A. B., M. D.

*Associate in Medicine*

Member, Dispensary Staff, Emergency Hospital; Special Expert, U. S. Public Health Service.

2013 O Street N. W.

## CLINICAL ASSOCIATES

EDGAR SNOWDEN, M. D.

*Clinical Associate in Obstetrics*

Associate Obstetrician, Columbia Hospital; Associate in Medicine, Emergency Hospital.

1820 S Street

ROSCOE W. HALL, M. D.

*Clinical Associate in Psychiatry*

Senior Assistant Physician, Clinical Psychiatry, St. Elizabeth's Hospital.

St. Elizabeth's Hospital

EVERETT MONROE ELLISON, A. M., M. D.

*Clinical Associate in Medicine*Assistant Attending Physician, Children's Hospital; Attending Physician, Child Welfare Society; Tuberculosis Clinic of Health Department, Gallinger Hospital; *The George Washington University Dispensary.*

1720 M Street

ADAM KEMBLE, Phar. D., M. D.

*Clinical Associate in Genito-Urinary Surgery*Attending Surgeon, Genito-Urinary Service, *The George Washington University Dispensary.*

The Cecil

EDMUND HORGAN, M. D., M. Sc.

*Clinical Associate in Surgery*

Consulting Surgeon, Columbia Hospital; Attending Surgeon, Children's Hospital; Associate Surgeon, Providence Hospital.

Stoneleigh Court

WILLIAM H. JENKINS, M. D.

*Clinical Associate in Laryngology and Otology*

Junior Assistant Surgeon, Episcopal Hospital; Associate Attending Surgeon in Otolaryngology, Emergency and Casualty Hospitals; Assistant Attending Physician, Children's Hospital.

1738 M Street N. W.



# PROFESSIONAL DEPARTMENTS

167

HENRY R. SCHRIEBER, M. D.

*Clinical Associate in Medicine*

Associate Attending Physician, Providence Hospital.

500 H Street N. E.

HARRY SAMUEL LEWIS, M. D.

*Clinical Associate in Surgery*

Chief Surgeon, Hebrew Hospital; Associate in Surgery, Central Dispensary and Emergency Hospital.

2801 Connecticut Avenue

JOSEPH WINTHROP PEABODY, M. D.

*Clinical Associate in Medicine*

Superintendent, Tuberculosis Hospital; Medical Director, Tuberculosis Clinic, Health Department; Associate Professor in Medicine, Georgetown University School of Medicine.

4107 14th Street N. W.

JOHN E. LIND, M. D.

*Clinical Associate in Psychiatry*

Medical Officer, St. Elizabeth's Hospital; Visiting Physician, Psychopathic Department, Gallinger Memorial Hospital; Instructor in Psychiatry and Neurology, School of Medicine, Georgetown University; Lecturer on Psychiatry, Post Graduate School of Neurology and Psychiatry; Lecturer on Psychiatry, U. S. Veterans' Bureau Post Graduate School of Neuro-Psychiatry.

St. Elizabeth's Hospital

RICHARD L. SILVESTER, B. S., M. S., M. D.

*Clinical Associate in Obstetrics*

The Farragut

CARROLL E. BINGMAN, M. D.

*Clinical Associate in Physical Diagnosis*

1020 16th Street N. W.

BENJAMIN F. WEEMS, M. D.

*Clinical Associate in Physical Diagnosis*

Attending Physician, Garfield Memorial Hospital.

1746 K Street N. W.

## INSTRUCTORS

WILLIAM B. KING, A. B.	.....	Anatomy
HELEN I. PFAFF, M. S.	.....	Bacteriology
OTTHMAR SOLNITSKY, M. A., Ph. D.	.....	Anatomy
MARIE O'DEA, M. S.	.....	Bio-Chemistry
REGENA C. JOHNSON, B. S., M. D.	.....	Bacteriology and Pathology
ROBERT M. CHOISSEY, B. S., M. D.	.....	Parasitology
HERBERT MARTYN, M. D.	.....	Morbid Anatomy
JOSEPH B. GLENN, M. D.	.....	Medicine
STANLEY A. WANLASS, A. B., M. D.	.....	Physiology and Pharmacology
BENJAMIN F. IDEN, JR., B. A., M. D.	.....	Medicine

## CLINICAL INSTRUCTORS

*George Washington University Hospital*

ALBERT P. TIBBETS, A. B., M. D.	Ophthalmology and Oto-Laryngology
SAMUEL B. POLE, M. D.	Laryngology and Otology
CHARLES O. KNOTT, M. D.	Genito-Urinary Diseases
LYLE M. MASON, M. D.	Surgery
FRED. Y. WILLIAMSON, M. D.	Surgery
F. AUGUST REUTER, M. D.	Urology
WILLIAM B. SIMS, M. D.	Medicine
JOHN MINOR, A. B., M. D.	Medicine and Physical Diagnosis
DANIEL S. HATFIELD, B. S., M. D.	Medicine
CHARLES B. CAMPBELL, Phar. D., M. D.	Dermatology
GEORGE O. BASSETT, M. D.	Medicine
JOHN A. REED, M. D.	Medicine
JESSE T. MANN, M. D.	Anaesthesia
FRANK L. WILLIMAN, B. Sc., M. D.	Medicine
RICHARD L. DESAUSURE, M. D.	Laryngology and Otology
GLADYS KAIN, S. B., M. D.	Gynecology
CHARLES DEMAS, M. D.	Gynecology
GEORGE NORDLINGER, M. D.	Gynecology
MAURICE H. HERZMARK, M. D.	Surgery
MASSIE R. PAGE, M. D.	Medicine
HERBERT S. GATES, M. D.	Medicine
HYMAN D. SHAPIRO, M. D.	Medicine

*Providence Hospital*

PAUL STERLING PUTZKI, M. D.	Surgery
JAMES A. CAHILL, JR., M. D.	Surgery
JAMES M. FADELEY, M. D.	Genito-Urinary Surgery
ROBERT E. MORAN, M. D.	Gynecology
JAMES H. EARLEY, M. D.	Surgery
JOHN J. SHUGRUE, B. A., M. D.	Surgery
RUSSELL K. HOLLINGSWORTH, M. D.	Surgery
LOUIS B. CASTELL, M. S., M. D.	Medicine
WALTER E. MCCAWLEY, A. B., M. D.	Gynecology
TERRELL MOODY, M. D.	Medicine

*Garfield Hospital*

HERBERT H. SCHOENFELD, M. D.	Surgery
HARRY L. CLAUD, M. D.	Surgery

*Emergency Hospital*

VIRGIL B. JACKSON, M. D.	Gynecology
JACOB KOTZ, M. D.	Obstetrics



GUY W. LEADBETTER, A. B. M. D.	Orthopedics
ELLIOTT MUSE CAMPBELL, M. D.	Medicine
JOHN H. LYONS, B. S., M. D.	Surgery
HERMAN E. KITTREDGE, M. D.	Dermatology
ARCH LOCKHART RIDDICK, B. S., M. D.	Gynecology
BENJAMIN NEWHOUSE, M. D.	Genito-Urinary Surgery
J. ERNEST MITCHELL, M. D.	Genito-Urinary Surgery
WILLIAM D. GOODMAN, M. D.	Genito-Urinary Surgery
MYER J. HERSCHMANN, M. D.	Genito-Urinary Surgery
WILSON P. MALONE, M. D.	Ophthalmology
NATHAN N. SMILER, M. D.	Surgery
FLOYD M. ALLEN, M. D.	Laryngology and Otology
DANIEL B. MOFFETT, B. A., M. D.	Laryngology and Otology
WILLIAM G. YOUNG, M. D.	Genito-Urinary Surgery
BRADLEY D. HODGKINS, M. D.	Surgery
JOSEPH ARTHUR JEFFRIES, M. D.	Medicine

*Gallinger Memorial Hospital*

JOHN P. MALONEY, M. D.	Medicine
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*Episcopal Eye, Ear, Nose and Throat Hospital*

SAMUEL H. GREENE, M. D.	Laryngology and Otology
EARL G. BREEDING, A. B., M. S., M. D.	Laryngology and Otology
FREDERICK C. SCHREIBER, M. D.	Laryngology and Otology
EUGENE A. TAYLOR, M. D.	Laryngology
BOYCE R. BOLTON, M. D.	Laryngology and Otology

*St. Elizabeth's Hospital*

RALPH J. HAWS, M. D.	Medicine
VIRGIL B. WILLIAMS, M. D.	Medicine

*Children's Hospital*

HUGH J. DAVIS, M. D.	Pediatrics
EDWARD LEWIS, M. D.	Pediatrics
EDWARD B. BROOCKS, M. D.	Pediatrics

# THE STAFF OF THE GEORGE WASHINGTON UNIVERSITY HOSPITAL AND DISPENSARY

## Hospital

WILLIAM CLINE BORDEN, M. D.	Surgeon-in-Chief
BUCKNER MAGILL RANDOLPH, M. D.	Physician-in-Chief
JOHN WESLEY BOVEÉ, M. D.	Gynecologist-in-Chief
HURON WILLIS LAWSON, M. D.	Obstetrician-in-Chief
CHARLES STANLEY WHITE, M. D.	Associate Surgeon
DANIEL LERAY BORDEN, M. D.	Associate Surgeon
COUSEN BAXTER CONKLIN, M. D.	Associate Physician
HARRY HUMPTON DONALLY, M. D.	Pediatrician
HOWARD FRANCIS KANE, M. D.	Associate Obstetrician
CUSTIS LEE HALL, M. D.	Orthopedic Surgeon
FRANCIS RANDALL HAGNER, M. D.	Genito-Urinary Surgeon
HOMER GIFFORD FULLER, M. D.	Associate Genito-Urinary Surgeon
ADAM KEMBLE, M. D.	Associate Genito-Urinary Surgeon
C. AUGUSTUS SIMPSON, M. D.	Dermatologist
VIRGINIUS DABNEY, M. D.	Laryngologist
WILLIAM THORNWALL DAVIS, M. D.	Ophthalmologist
EDWARD GRANT SEIBERT, M. D.	Associate Laryngologist and Ophthalmologist
ARTHUR C. CHRISTIE, M. D.	Roentgenologist
THOMAS A. GROOVER, M. D.	Associate Roentgenologist
EDWIN A. MERRITT, M. D.	Associate Roentgenologist
CLINE M. CHIPMAN, M. D.	Anaesthetist
CHARLES W. HYDE, M. D.	Anaesthetist
FRANCIS G. SPEIDEL, M. D.	Anaesthetist
JESSE T. MANN, M. D.	Anaesthetist
OSCAR BENWOOD HUNTER, M. D.	Pathologist
GEORGE B. JENKINS, M. D.	Anatomist
TOMÁS CAJIGAS, M. D.	Director of Clinical Laboratory
ERNEST F. BOSTROM, Ph. D., M. D.	Physiologist
JOSEPH H. ROE, Ph. D.	Chemist
AURALEE SCHREVE, R. N.	Laboratory Technician
B. B. THOMPSON, R. N.	Superintendent of Nurses and Principal of the Training School for Nurses
JASON DAVID BYERS	Superintendent
FRANCIS E. THUNEY	Assistant Superintendent

## Dispensary

WILLIAM CLINE BORDEN, M. D.	Surgeon-in-Chief
BUCKNER MCGILL RANDOLPH, M. D.	Physician-in-Chief
JOHN WESLEY BOVEÉ, M. D.	Gynecologist-in-Chief
HURON WILLIS LAWSON, M. D.	Obstetrician-in-Chief
JOHN ALTON REED, M. D.	Director of the Dispensary



## Medicine

FRANK A. HORNADAY, M. D.	Attending Physician
WILLIAM B. SIMS, M. D.	Attending Physician
JOHN MINOR, M. D.	Attending Physician
DANIEL S. HATFIELD, M. D.	Attending Physician
COLIN R. WEIRICH, M. D.	Attending Physician
EVERETT M. ELLISON, M. D.	Attending Physician
GEO. OVERBON BASSETT, M. D.	Attending Physician
FRANK L. WILLIMAN, M. D.	Attending Physician
HYMAN DAVID SHAPIRO, M. D.	Attending Physician
HERBERT GATEI, M. D.	Attending Physician
MASSIE R. PAGE, M. D.	Attending Physician

## Surgery

CUSTIS L. HALL, M. D.	Attending Surgeon
STEWART MAXWELL GRAYSON, M. D.	Attending Surgeon
GUY W. LEADBETTER, M. D.	Attending Surgeon
MAURICE H. HERZMARK, M. D.	Attending Surgeon

## Genito-Urinary and Skin Diseases

ADAM KEMBLE, M. D.	Attending Surgeon
CHARLES O. KNOTT, M. D.	Attending Surgeon
LYLE M. MASON, M. D.	Attending Surgeon
F. AUGUST REUTER, M. D.	Attending Surgeon

## Gynecology

ELIJAH WHITE TITUS, M. D.	Attending Gynecologist
GEORGE NORDLINGER, M. D.	Attending Gynecologist
CHARLES DEMAS, M. D.	Attending Gynecologist
GLADYS KAIN, M. D.	Attending Gynecologist

## Obstetrics

CYRUS W. CULVER, M. D.	Attending Obstetrician, Out-Patient Service
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## Eye, Ear, Throat and Nose

EDWARD GRANT SEIBERT, M. D.	Laryngologist and Ophthalmologist
RALPH S. PENDENTER, M. D.	Attending Ophthalmologist
FRANCIS G. SPEIDEL, M. D.	Attending Ophthalmologist
ALBERT PERKINS TIBBETS, M. D.	Attending Laryngologist and Otologist
SAMUEL BOYCE POLE, M. D.	Attending Laryngologist
RICHARD L. DESAUSSURE, M. D.	Attending Laryngologist

## Neurology

JOSEPH DUERSON STOUT, M. D.	Attending Neurologist
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## Roentgenology

ARTHUR C. CHRISTIE, M. D.	.....	Roentgenologist
THOMAS A. GROOVER, M. D.	.....	Associate Roentgenologist

## Dermatology

CHARLES B. CAMPBELL, M. D.	.....	Attending Dermatologist
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## Dentistry

ALLAN S. WOLFE, D. D. S.	.....	Attending Oral Surgeon
RALPH L. MORRISON, D. D. S.	.....	Attending Dental Surgeon
WILFORD JOHANNESSEN, D. D. S.	.....	Attending Dental Surgeon

## Pathology, Physiology, Chemistry

OSCAR BENWOOD HUNTER, M. D.	.....	Pathologist
ERNEST F. BOSTROM, Ph. D.	.....	Physiologist
JOSEPH H. ROE, Ph. D.	.....	Chemist

## Laboratory

TOMÁS MOREAU CAJIGAS, M. D.	.....	Director
AURALÉE SHREVE, R. N.	.....	Technician

## Medical Building

ANNA ELIZABETH SELLNER	.....	Secretary to the Dean
OSCAR B. HUNTER, M. D.	.....	Curator of the Museum
ALICE DICKINSON, R. N.	.....	Assistant Curator
WILLIAM BINFORD KING, A. B.	.....	Librarian
KATHARINE BREEN	.....	Assistant Librarian
FRANCIS E. THUNEY	.....	Superintendent, Medical Building

## Historical

The Medical School of the George Washington University, in chronological order of establishment, is the eleventh Medical School in the United States. The first course of lectures began in March, 1825. For many years the school was known as the National Medical College; subsequently as the Department of Medicine of the Columbian University. By virtue of an act of Congress approved January 23, 1904, the Columbian University changed its name to The George Washington University.

In order to increase the facilities for bedside and clinical teaching, the University Hospital and the University Dispensary were established in 1898 and made a part of the Medical School. In 1902 the old Medical School Building, in which the exercises had been held since 1867, gave place to the present large and commodious structure.



### Educational Position

The Medical School of the University is a member of the Association of American Medical Colleges. It is one of the medical colleges which has been designated continuously as "Class A" by the American Medical Association, is one of the medical schools designated by the Secretary of War for maintenance of a Reserve Officers' Training Corps Unit, and is accredited for all its work by the Combined (Royal) Medical Examining Boards in England.

*The degree of M. D. given by this University admits the holder to all governmental examinations, including those for the Medical Corps of the United States Army and Navy and the Public Health Service and, with evidence of one year of post graduate hospital work in those States which require hospital internship, will admit a graduate of our Medical School to all State examinations.*

The alumni of this School are largely represented in all public services, and have been highly successful in passing the rigid examinations given by them. These facts guarantee the character of the work done by the School and insure students and graduates all the advantages which accrue from such association and recognition.

### BUILDINGS AND OTHER FACILITIES

All the buildings adjoin each other and consist of the Medical School, the University Hospital and the University Dispensary. They are most advantageously situated in the heart of the city within one block of both systems of car lines. As the Hospital and Dispensary adjoin the School, their clinical facilities are easily accessible to the students, and the pathological material and the material for clinical microscopy and clinical chemistry afforded by the Hospital and Dispensary are directly used in the School laboratories.

*Medical School Building.*—A modern, commodious, five-story structure with spacious, well-lighted, well-ventilated lecture and class rooms, laboratories, and students' rooms, equipped with steam heat, gas, electricity, and all modern improvements.

*Laboratories.*—Five in number (for anatomy, bio-chemistry and clinical chemistry, histology and embryology, physiology and pharmacology and bacteriology and pathology), are fully equipped with the most approved appliances, so that students may adequately pursue the laboratory courses and acquire the technical skill necessary in modern clinical and research work.

*Medical Library.*—Open for study and reading from 9 a. m. to 4 p. m., with a librarian in charge. It contains at present more than 2,000 volumes, and provision is made to add to it as published the important new works on medicine. The standard medical periodicals are regularly received. The library is an excellent working collection,

as it affords opportunity to read up adequately on the subjects presented in the courses.

For purposes of advanced study and research the unequalled resources of the great Library of the Surgeon General of the Army are available to all students and teachers.

*Pathological Museum.*—Open from 9 a. m. to 4 p. m., with a curator in charge. It contains many valuable and interesting specimens. Their number is increased by additions from time to time. These specimens are particularly valuable to the students as illustrating the changes produced by disease.

*No dental or art courses are conducted in the Medical School, and students in medicine have the advantage of being instructed by teachers whose interests are primarily medical and of not having to be in classes or laboratories with students pursuing other courses.*

#### ADVANTAGE OF LOCATION FOR THE STUDY OF MEDICINE

The city of Washington has nearly a half million inhabitants, providing abundant clinical material to the hospitals, which have an aggregate of over five thousand beds. In these hospitals clinical instruction, in addition to that in the University Hospital, is given by members of the faculty.

The *great libraries and museums* connected with the various Government institutions afford unparalleled facilities for study.

The Library of the Surgeon General's office of the United States Army is the most complete general medical library in the world, and in addition to its great collections of medical works, all leading medical periodicals of the world are subscribed for. There is also the Library of Congress, the Public Library, and the many excellent libraries of the various Government offices. All the facilities of these great libraries are open to *medical students*.

The *Army Medical Museum* affords unrivalled opportunity for studying the conditions met with in military and general medicine and surgery. It has on exhibition a collection of anatomical and pathological specimens unequalled by any other museum. The other great Government museums—the Museum of Hygiene and the National Museum—as well as the Smithsonian Institution, the Fish Commission, the Botanic Gardens and the Department of Agriculture, all afford opportunities for study both in medicine and its collateral sciences.

On account of the many medical and scientific facilities of this city, the *Army and the Navy Medical Schools, with the large Army and Navy General Hospitals*, have been located here.

*Aside from the special advantages offered for the study of medicine, the cosmopolitan character of the city of Washington, its mild climate, its beauty, and as it is the seat of the National Government, its broad*



*interests, make it an ideal place for a medical student to pass his four years of study.*

### ADMISSION

The requirements for admission to the Medical School are as follows:

Candidates for matriculation must be of good moral character.

The minimum educational requirements for admission are fifteen units of secondary school work and two years of college work made up as follows:

### SECONDARY SCHOOL UNITS

Credit may be granted for the subjects shown in the following list and for any other subjects counted by a standard accredited high school as a part of the requirements for its diploma, provided that at least eleven units must be offered in groups I-V:

*Subjects:*

		<i>Units* Required</i>	
Group I, English—			
Literature and composition.....	3-4	3	
Group II, Foreign Languages—			
Latin .....	1-4		
Greek .....	1-3		
French and German.....	1-4	2†	
Other foreign languages.....	1-4		
Group III, Mathematics—			
Elementary algebra .....	1	1	
Advanced algebra .....	½-1		
Plane geometry .....	1	1	
Solid geometry .....	½		
Trigonometry .....	½		
Group IV, History—			
Ancient history .....	½-1	}	1
Medieval and modern history.....	½-1		
English history .....	½-1		
American history .....	½-1		
Civil government .....	½-1		

\* A unit is the credit value of at least thirty-six weeks' work of four or five recitation periods per week, each period to be not less than 45 minutes. A point is a subject pursued through one-half the above time. Two points may be considered the equivalent of one unit.

† Both of the required units of foreign language must be of the same language, but the two units may be presented in any one of the languages specified.

Group V, Science—	Units
Botany .....	$\frac{1}{2}$ -1
Zoology .....	$\frac{1}{2}$ -1
Chemistry .....	1
Physics .....	1
Physiography .....	$\frac{1}{4}$ -1
Physiology .....	$\frac{1}{2}$ -1
Astronomy .....	$\frac{1}{2}$
Geology .....	$\frac{1}{2}$ -1
Group VI, Miscellaneous—	
Agriculture .....	1-2
Bookkeeping .....	$\frac{1}{2}$ -1
Business law .....	$\frac{1}{2}$ -1
Commercial geography .....	$\frac{1}{2}$ -1
Domestic science .....	1-2
Drawing, freehand and mechanical.....	$\frac{1}{2}$ -2
Economics and economic history.....	$\frac{1}{2}$ -1
Manual training .....	1-2
Music: Appreciation and harmony.....	1-2

## COLLEGE WORK

	Semester hours required
Chemistry .....	12
Physics .....	8
Biology .....	8
English .....	6
Electives .....	26

*Chemistry.*—Of the twelve semester hours required, eight hours must be made up of general inorganic chemistry (including four semester hours of laboratory work). Qualitative analysis may be counted as general inorganic chemistry. The remaining four semester hours must consist of organic chemistry, including two semester hours of laboratory work.

*Physics.*—The eight semester hours required must include at least two semester hours in laboratory work. It is urged that this course be preceded by a course in trigonometry.

*Biology.*—Eight semester hours required, of which four must consist of laboratory work. This requirement may be satisfied by a course of eight semester hours in either general biology or zoology or by a course of four semester hours each in zoology and botany, but not by botany alone.

*English Composition and Literature.*—The usual introductory college course of six semester hours, or its equivalent, is required.



*Electives.*—It is recommended that the twenty-six semester hours required include a modern foreign language, comparative vertebrate anatomy, social science and psychology.

A semester hour is the credit value of one-half year's work consisting of one lecture or recitation period per week, each period to be not less than fifty minutes net; at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period; and the year to be not less than thirty-three weeks of actual work.

The laws relating to the preliminary educational qualifications required of physicians differ in many of the States, and candidates are advised that if they meet the pre-medical and other requirements of this School they will be able to comply with the legal demands of all State Examining Boards in the United States. Any admission standard lower than that of this School will not meet the requirements of all the States of the Union.

#### SPECIAL COURSE FOR ADMISSION TO THE MEDICAL SCHOOL

Courses are offered by the University to meet the required two years of college work necessary to enter the freshman class in Medicine.

<i>First Year</i>	SEMESTER HOURS
Chemistry 1 and 2.....	10
Zoology 3 .....	8
English 1 or 2.....	6
*Electives (including preferably French or German).....	6
Total .....	30
 <i>Second Year</i>	
	SEMESTER HOURS
Physics 3 and 4.....	10
Chemistry 8 .....	6
*Electives .....	14
Total .....	30

#### COURSE LEADING TO DEGREE OFFERED BY THE UNIVERSITY IN ADDITION TO THE COURSE FOR THE DEGREE OF DOCTOR OF MEDICINE

The University offers a seven-year course for the degree of Bachelor of Arts and Doctor of Medicine.

\*Total electives must include at least twelve semester hours in subjects other than Natural Science.

### ADMISSION TO COLUMBIAN COLLEGE

Applicants for admission to the Freshman Class in Columbian College for the combined course leading to the degrees of Bachelor of Arts and Doctor of Medicine must meet the general admission requirements of fifteen units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. *The fifteen units of the entrance requirements must include English, 3 units; Mathematics, 2½ units, and one of the following languages: Latin, Greek, French, German, or Spanish, 2 units.* The remainder of the requirement is elective and may be satisfied in general by any accredited secondary school subjects.

### SEVEN-YEAR COURSE FOR THE DEGREES OF BACHELOR OF ARTS AND DOCTOR OF MEDICINE

Regular students in this course must complete at least ninety semester hours of prescribed college work and the first-year course in the Medical School. On completion of the prescribed work and the first year of the regular course in Medicine the student will receive the degree of Bachelor of Arts.

The hours of prescribed work, of which at least eighteen semester hours and one year in residence must be completed in Columbian College, are as follows:

SUBJECT:	SEMESTER HOURS
Zoology 3 .....	8
Chemistry 1, 2 and 8.....	16
English .....	6
Modern Languages, preferably French or German.....	12
Physics 3 and 4.....	10
Psychology .....	6
Electives (including not to exceed thirty semester hours in Medicine) .....	62
Total .....	120

### ADMISSION OF STUDENTS FROM OTHER SCHOOLS

Students who have satisfactorily attended one or more terms at any other Class A medical school, and who have the necessary preliminary educational requirements, may be admitted to advanced standing.

Students who have been in attendance upon an Arts course in other accredited colleges or universities may be admitted to advanced stand-



ing in any of the pre-medical courses offered by the University upon examination or upon presentation of properly certified evidence of satisfactory completion of work for which credit is asked.

Students approved by the Dean, not candidates for the degree of Doctor of Medicine, may be admitted as special students to any of the courses, provided they have the educational attainments which will enable them to pursue properly the studies they elect.

### ACADEMIC YEAR

The *Academic Year* begins on the last Wednesday in September. It is divided into two half-years of four months each.

The term of study for the degree of Doctor of Medicine consists of four years of thirty-two weeks each, exclusive of vacations and holidays. The next session, the one hundred and first, begins September 24, 1925, and ends June 9, 1926.

Students must register promptly at the beginning of the session, in order that their time of study shall count as a full year.

### SYSTEM OF INSTRUCTION

Instruction is carried on by laboratory work, lectures, recitations, bedside instruction, and hospital and dispensary clinics. Particular stress is laid upon laboratory work and clinical teaching. The clinical material of the University Hospital and Dispensary is utilized to the fullest extent, as the Hospital, the Dispensary, and the Medical School are under the same control. Additional clinics are given in other hospitals in the city to which members of the faculty are attached.

While close relations of the laboratories with clinics is maintained and the greatest stress is laid upon laboratory work and clinical teaching, it is recognized that the facts so obtained must be correlated and shown in their due relation to each other and to the science of medicine. To this end didactic lectures are maintained in certain branches, as they have been found necessary to give a systematic and comprehensive idea of the larger subjects in medicine.

*The policy adopted by the School is to give a comprehensive, well-graded and well-proportioned course—one that will adequately prepare the graduate to practice general medicine and meet the requirements of State Medical Examining Boards.*

## ORDER OF INSTRUCTION

The subjects studied in each year are shown in the following table. Major subjects are in italics:

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
<i>Anatomy.</i> <i>Histology.</i> <i>Embryology.</i> <i>Physiology.</i> <i>Chemistry.</i> <i>Ethics.</i>	<i>Anatomy.</i> <i>Chemistry.</i> <i>Pathology.</i> <i>Bacteriology.</i> <i>Materia Medica.</i> <i>Pharmacology.</i> <i>Minor Surgery.</i> <i>Physical</i> <i>Diagnosis.</i> <i>Pathological</i> <i>Physiology.</i> <i>Hygiene.</i>	<i>Medicine.</i> <i>Surgery.</i> Fractures and Dislocations. Clinical Microscopy. <i>Obstetrics.</i> <i>Therapeutics.</i> Roentgenology. Anaesthesia. <i>Gynecology.</i> Medical Jurisprudence. Clinical Chemistry. Dermatology. Pediatrics. Tropical Medicine. <i>Clinics.</i>	<i>Clinical</i> <i>Medicine.</i> <i>Surgery.</i> Orthopedics. Genito-Urinary Diseases. Military. Surgery. <i>Obstetrics.</i> <i>Gynecology.</i> Laryngology and Otology. Ophthalmology. Psychiatry. Neurology. Ethics. <i>Clinics.</i>

The *clinics* above listed comprise the medical, surgical, obstetrical and other clinics given in the third and fourth years, and are as hereafter noted under the announcements of the different clinical subjects.

Students in the medical unit, Reserve Officers' Training Corps, have one additional hour per week of instruction in medico-military subjects.



## FIRST YEAR SCHEDULE

## First Trimester (Sept. 24-Dec. 31)

<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>	<i>Saturday</i>
9-12 Anatomy	9-12 Anatomy	9-12 Anatomy	9-12 Anatomy	9-12 Anatomy	
1-4 Histology and Embryology	1-5 Chemistry	1-4 Histology and Embryology	1-5 Chemistry	1-2 Military Science and Tactics	
				2-5 Histology and Embryology	

## Second Trimester (Jan. 1-Mar. 15)

9-12 Anatomy	9-12 Anatomy	9-12 Anatomy	9-12 Anatomy	9-12 Anatomy	
1-4 Histology and Embryology	1-5 Chemistry	1-4 Histology and Embryology	1-5 Chemistry	1-2 Military Science	
				2-5 Histology and Embryology	

## Third Trimester (Mar. 16-June 9)

9-12 Anatomy	9-12 Anatomy	9-12 Anatomy	9-12 Anatomy	9-10 Physiology	
1-4 Histology and Embryology	1-5 Physiology	1-4 Histology and Embryology	1-5 Physiology	11-12 Military Science	
				1-4 Histology and Embryology	

## First Trimester (Sept. 24-Dec. 31)

<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>	<i>Saturday</i>
9-12 Bacteriology and Immunology	9-12 Bacteriology and Immunology	9-12 Bacteriology and Immunology	9-12 Bacteriology and Immunology	9-10 Pharmacology	9-10 Pharmacology
1-4 Physiology	1-4 Neuro- Anatomy	1-4 Physiology	1-4 Neuro- Anatomy	10-11 Military Science and Tactics	
				11-12 Physiology	
				1-3 Pharmacology	
				3-5 Preventive Medicine and Hygiene	
				9-10 Pharmacology	9-10 Pharmacology
				10-11 Military Science	
				11-12 Physiology	
				1-2 Pharmacology	
				2-5 Preventive Medicine and Hygiene	
				9-11 Physical Diagnosis	9-10 Materia Medica
				11-12 Military Science	
				1-5 Gross and Neuro- Pathology	

## Second Trimester (Jan. 1—Mar. 15)

9-12 Pathology	9-12 Pathology	9-12 Pathology
1-2 Pharmacology	1-2 Physiology	1-2 Pharmacology
2-3 Applied Anatomy	2-3 Applied Anatomy	2-3 Applied Anatomy
	3-5 Pharmacology	3-5 Pharmacology

## Third Trimester (Mar. 16-June 9)

9-1 Pathology	9-1 Pathology	9-1 Pathology
2-4 Physical Diagnosis	2-5 Physical Diagnosis	2-3 Pharmacology
4-5 Minor Surgery		3-5 Preventive Medicine and Hygiene
		3-4 Minor Surgery



# PROFESSIONAL DEPARTMENTS

183

## THIRD YEAR

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9 Medicine Recitation	8-9 Surgery	8-9 Pediatrics to Dec. 15.		Pediatrics to Dec. 15	Dermatology After Jan. 1
9-10 Military Science and Tactics	9-10 Medicine	9-10 Obstetrics		9-10 Medicine	9-12 Clinical Microscopy and Clinical Chemistry
10-11 Obstetrics	10-11 Therapeutics	10-11 Surgery	10-11 Gynecology	10-11 Therapeutics	
11:30-2 University Hospital Dispensary 1 Section—8 Weeks	11:30-2 University Hospital Dispensary 1 Section—8 Weeks	11:30-2 University Hospital Dispensary 1 Section—8 Weeks	11:30-2 University Hospital Dispensary 1 Section—8 Weeks	11:30-2 University Hospital Dispensary 1 Section—8 Weeks	12:30-2 University Hospital Dispensary 1 Section—8 Weeks
11:15-1 Providence Hospital Dispensary 1 Section—8 Weeks	11:15-1 Providence Hospital Dispensary 1 Section—8 Weeks	11:15-1 Providence Hospital Dispensary 1 Section—8 Weeks	11:15-1 Providence Hospital Dispensary 1 Section—8 Weeks	11:15-1 Providence Hospital Dispensary 1 Section—8 Weeks	
12:30-2 Emergency Hospital Dispensary 1 Section—8 Weeks	12:30-2 Emergency Hospital Dispensary 1 Section—8 Weeks	12:30-2 Emergency Hospital Dispensary 1 Section—8 Weeks	12:30-2 Emergency Hospital Dispensary 1 Section—8 Weeks	12:30-2 Emergency Hospital Dispensary 1 Section—8 Weeks	12:30-2 Emergency Hospital Dispensary 1 Section—8 Weeks
1-2:30 Children's Hospital Dispensary 1 Section—8 Weeks After Feb. 15	1-2:30 Children's Hospital Dispensary 1 Section—8 Weeks After Feb. 15	1-2:30 Children's Hospital Dispensary 1 Section—8 Weeks	1-2:30 Children's Hospital Dispensary 1 Section—8 Weeks	1-2:30 Children's Hospital Dispensary 1 Section—8 Weeks After Feb. 15	1-2:30 Children's Hospital Dispensary 1 Section—8 Weeks
1-2:30 Surgical Clinic Providence Hospital 1 Section	1-2:30 Anesthesia Providence Hospital 1 Section				
3-4 Medicine	2-4 Physical Diagnosis Entire Class to Feb. 15	3-4 Medical Jurisprudence After Jan. 1		2-4 Physical Diagnosis Entire Class To Feb. 15	
4-5 Tropical Medicine To Dec. 31			4-5 Roentgenology After Jan. 1		

## FOURTH YEAR

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-10 Surgical Clinic University Hospital Entire class	8-9 Gynecology Recitation 9-10 Obstetrics	8-9 Laryngology 9-10 Orthopedic Surgery	9-10 After Jan. 1, Neuro-Surgery	9-10 Medical Clinic University Hospital Entire Class	9-10 Obstetrics
10-1 Daily Bedside Clinics in Medicine and Surgery University Hospital Sections	10-1 Daily Bedside Clinics in Medicine and Surgery University Hospital Sections	10-1 Daily Bedside Clinics in Medicine and Surgery University Hospital Sections	10-1 Daily Bedside Clinics in Medicine and Surgery University Hospital Sections	10-1 Daily Bedside Clinics in Medicine and Surgery University Hospital Sections	10-1 Daily Bedside Clinics in Medicine and Surgery University Hospital Sections
10:15-12:30 Pediatric Clinic Children's Hospital Sections	10:15-12:30 Medical Clinic Providence Hospital Sections	10:15-12:30 Orthopedic Clinic Emergency Hospital Sections	10:15-12:30 Surgical Clinic Emergency Hospital Sections	10:15-12:30 Surgical Clinic Emergency Hospital Sections	10:15-12:30 Heart Clinic Gallinger Hospital Sections
G. U. Surgical Clinic Garfield Hospital Sections	Pediatric Clinic Children's Hospital Sections	Gynecology Clinic University or Columbia Hospital Sections	Surgical Clinic Garfield or Children's Hospital Sections	Pediatric Clinic Children's Hospital Sections	Medical Clinic Tuberculosis Hospital Sections
11-12 Obstetrical Clinic Columbia Hospital Sections	Surgical Clinic Emergency Hospital Sections	11-1 Obstetric Clinic Columbia Hospital Sections	11-1 Obstetric Clinic Columbia Hospital Sections	Orthopedic Clinic Children's Hospital Sections	Surgical Clinic Emergency Hospital Sections
1:30-2:45 Ophthalmology Clinic Episcopal Hospital Sections	12-1 Medical Clinic Tuberculosis Hospital Sections	1-2 Neurology Clinic Emergency Hospital Sections	After Jan. 15 Neuro-Psychology St. Elizabeth's Hosp. Entire Class	1-2 Roentgenology Clinic Garfield Hospital Sections	1-2 Neurology Clinic Emergency Hospital Sections
1:30-2:45 Medical Clinic Garfield Hospital Sections	1:30-2:45 Pediatric Clinic Children's Hospital Entire Class	1-2 Fracture Clinic Emergency Hospital Sections	2-4 Psychiatry Clinic St. Elizabeth's Hosp. $\frac{1}{2}$ Class	1-2 Gynecology Clinic Emergency Hospital Sections	12:30-2 Ear, Throat and Nose Clinic Episcopal Hospital Sections
1:30-2:45 Dermatology Clinic Gallinger Hospital Sections	1:30-2:45 Ear, Nose and Throat Clinic Episcopal Hospital Sections	12:30-2 Ear, Nose and Throat Clinic Episcopal Hospital Sections	Medical Clinic St. Elizabeth's Hosp. $\frac{1}{2}$ Class	1-2 Ear, Throat and Nose University Hospital Sections	1:30-2:30 Ophthalmology Clinic Episcopal Hospital Sections
12:30-2 Ear, Nose Throat Clinic Episcopal Hospital Sections	3-4 Military Science and Tactics	1:30-2:30 Ophthalmology Clinic Episcopal Hospital Sections	4-5 Genito-Urinary Surgery	3-4 Dermatology Clinic Gallinger Hospital Sections	
	3-4 Surgery	3-4 Surgery	4-5 Psychiatry After Jan. 1st	3-4 Ophthalmology To Feb. 15th	
4-5 Surgery	4-5 Neurology	4-5 Genito-Urinary Surgery	4-5 Psychiatry After Jan. 1st	4-5 To Jan. 1st Psychiatry After Jan. 1st	



# OUTLINE OF CURRICULUM

## Hours of Required Work in Each Subject

(On the basis of 32 actual weeks in each year)

SUBJECT	YEARS	HOURS	
		Totals*† Di- daetic, Lab. and Clinical	Didactic not to exceed
Anatomy.....	I	424	60
Anatomy.....	II	40	30
		— 464	— 90
Histology and Embryology.....	I	280	60
		— 280	— 60
Chemistry.....	I	180	60
		— 180	— 60
Physiology.....	I	90	30
Physiology.....	II	150	60
		— 240	— 90
Bacteriology.....	II	144	30
Pathology.....	II	320	60
Preventive Medicine and Hygiene.....	II	92	48
		— 556	— 138
Pharmacology.....	II	124	42
Materia Medica.....	II	10	10
Therapeutics.....	III	64	64
		— 198	— 116
Gynecology.....	III and IV	112	64
		— 112	— 64
Obstetrics.....	III and IV	138	128
		— 138	— 128
*Clinical Obstetrics, Cases, etc.....	III and IV	100	
		— 100	
Medicine.....	II, III, IV		
General Medicine, including Endo- crinology and Dietetics.....		666	160
Clinical Microscopy and Parasitol- ogy.....		72	24
Physical Diagnosis.....		140	12
Tropical Diseases.....		12	12
Dermatology and Syphilis.....		40	16
Pediatrics.....		160	24
Nervous and Mental Diseases.....		132	52
Medical Jurisprudence.....		23	23
Clinical Chemistry.....		48	12
		— 1293	— 335
Surgery.....	II, III, IV,		
General Surgery, including Minor Surgery, Military Surgery, Frac- tures and Anaesthesia.....		378	138
Roentgenology.....		34	18
Ophthalmology.....		42	20
Otology and Laryngology.....		64	20
Genito-Urinary Surgery.....		52	32
Orthopedics.....		88	32
		— 658	— 260
Grand totals.....		4219	1341

\* In the third and fourth years, each student is required to do satisfactorily considerable practical work; he is assigned to cases in hospitals, is required to assist at operations, to attend cases of labor, administer anaesthetics, attend autopsies and to take case histories.

† Subject to variation.

## ANATOMY

GEORGE B. JENKINS, M. D.....	Professor
LESLIE H. FRENCH, M. D.....	Associate Professor
OTHMAR SOLNITZKY, Ph. D.....	Instructor
WILLIAM BINFORD KING, A. B.....	Instructor
MATHAN S. SMILER, M. D.....	Instructor

The work in general anatomy is designed to cover the entire subject in such manner as to afford the student a practical working basis for his later studies in medicine and is so correlated and taught as to emphasize the value of relation and function as well as that of structure.

While constant surveillance is maintained over the student body, frequent demonstrations are given and conferences are held by members of the Division, individual work is encouraged and to those students who demonstrate especial fitness, opportunities for advanced work are offered. Research is encouraged and qualified students will be aided in every way possible.

The following courses are offered:

(1) *Gross Anatomy.*

This includes careful dissection and study of the entire body during the first year, excepting the central nervous system. The study of the more difficult parts such as the special sense organs and viscera is supplemented by the use of models and prepared specimens.

Osteology and Arthrology are studied during dissection, supplemented by a short laboratory course in the study and drawing of prepared specimens.

(2) *Microscopic Anatomy and Embryology.*

This includes normal Histology and Embryology; and, while these courses are taught separately, they are so correlated as to show the structural units of the body developmentally, their morphology and arrangement and their relations to each other and to other structural units in the construction of the tissues and organs, so that this study may constitute a proper basis for Gross Anatomy, Physiology, Pathology, and the clinical branches.

(3) *Neuro-Anatomy* is taught in the second year and consists of study, both gross and microscopic, of the central nervous system. Abundant material is provided, and models, diagrams and lantern projections are freely used.

(4) *Topographical Anatomy* is given by a study-room course in drawing and studying prepared specimens, cross-sections and other materials.



(5) *Clinical and Applied Anatomy (Elective).*

A series of demonstrations with study-room facilities is given to correlate the general anatomy of selected regions with the needs of the clinician.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Gross Anatomy .....	I	420	60
Neuro and Topographical Anatomy	II	102	30
Histology and Embryology.....	I	288	60
		— 810	— 150

## PHYSIOLOGY AND PHARMACOLOGY

GEORGE B. ROTH, A. B., M. D.....	Professor
ERNEST F. BOSTROM, Ph. D.....	Professor
JAMES HOLMES DEFANDORF, A. M.....	Associate Professor
STANLEY A. WANLASS, A. B., M. D.....	Instructor

## PHYSIOLOGY

ERNEST F. BOSTROM, Ph. D.....	Professor
STANLEY A. WANLASS, A. B., M. D.....	Instructor

The instruction in Physiology begins in the third trimester of the first year. The student is thus early in his course in Medicine introduced to the functional viewpoint. He is taught to observe accurately and to correlate the observed facts. The functional changes that occur in various organs in disease are discussed in connection with the study of the normal function of those organs.

## COURSES 1 AND 1A FOR FIRST-YEAR STUDENTS—THIRD TRIMESTER

*Course 1.* The physiology of muscle, nerve, heart and circulatory system is taken up in lectures, recitations, written reviews and conferences.

*Course 1a.* Experimental Physiology dealing with the response of muscle and nerve to stimulation under various conditions.

## COURSES 2 AND 2A FOR SECOND-YEAR STUDENTS—FIRST AND SECOND TRIMESTER

*Course 2.* This course is a continuation of the work started during the first year. It deals with the following topics: Respiration, Cerebro-spinal Nervous System, Autonomic Nervous System, Special Senses, Digestion, Secretion, Metabolism and Reproduction; lectures, recitations, written reviews and conferences.

*Course 2a.* Experimental Physiology. The experiments are selected

to illustrate the fundamental principles of Physiology and familiarize the students with methods employed in Experimental Physiology and Medicine. The work includes a theoretical and practical study of instruments of more recent development such as the electrocardiograph, the latest types of polygraphs and of apparatus for the determination of basal metabolism.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Physiology .....	I	90	30
Physiology .....	II	150	90
		— 240	— 120

### PHARMACOLOGY

GEORGE B. ROTH, A. B., M. D.....*Professor*

JAMES HOLMES DEFANDORF, A. M.....*Associate Professor*

The following courses in Pharmacology are designed to give the student a knowledge of drugs which is obtained from precise methods of observation. Facts concerning the physico-chemical character and clinical uses of drugs are taught by means of lectures, recitation, laboratory exercises, demonstrations and conferences.

*Course 1. Chemical Pharmacology and Principles of Prescription Writing.*—Second year, first trimester.

This course aims to teach the elements of the pharmacy of the more important medicinal agents and to acquaint the student with the fundamentals underlying the chemical incompatibilities of drugs. The characteristic reactions of the more common constituents in drugs are emphasized and the excretion of certain drugs in man is investigated.

The drill in prescription writing accompanies the exercises in chemical pharmacology and endeavors to apply the chemical facts previously learned.

*Course 2. Pharmacodynamics and Principles of Prescription Writing.*—Second year, second trimester.

The instruction in Pharmacodynamics consists of demonstrations and student experiments to illustrate the biological effects and nature of the action of the more important pharmacological agents, proceeding from the simple to the more complex tissues and finally to the organism as a whole. If possible, the site of the action of the drug is ascertained, thus affording a rational basis for its use in therapeutics. The drill in prescription writing follows the same plan as outlined in Course 1.

*Course 3. Systematic Pharmacology.*—Second year.

This is a didactic course, supplemented by demonstration, which correlates the most prominent facts relating to the more important



therapeutic agents and brings them into more intimate connection with their clinical use, special consideration being given to the drugs found in the United States Pharmacopoeia and New and Non-Official Remedies.

SUBJECT	YEAR	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Pharmacology .....	II	138	54

### THERAPEUTICS

HENRY COOK MACATEE, D. D.....*Professor*

(1) Systematic lectures and recitations on the physiological action of drugs and other remedial agents, their therapeutic use in disease; their modes of administration; and a review of their toxicology.  
 (2) A review of the principles of prescription writing, with practical exercises by students in writing prescriptions in the metric system.  
 (3) Lectures in applied therapeutics, devoted to the study of the application of remedial measures to morbid physiological and pathological states, as they occur clinically.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Pharmacology .....	II	108	42
Materia Medica and Toxicology..	II	30	12
Therapeutics .....	III	64	64
		— 202	— 118

### CHEMISTRY

JOSEPH HYRAM ROE, Ph. D.....*Professor*

OLIVER JOHN IRISH, A. B., M. S.....*Associate Professor*

MARIE O'DEA, M. S.....*Instructor*

The instruction in Chemistry consists of lectures, laboratory work, demonstrations, recitations and informal conferences. The structural side of the subject is emphasized so far as is essential to equip the student for the subsequent study of Pharmacology and Medicine, and to enable him to read capably medical literature. The functional aspects of bio-chemistry receive major consideration.

The following courses are offered:

1. *Physical Chemistry and Quantitative Principles*.—A series of lectures, supplemented by laboratory experimentation, is first given upon the physico-chemical processes concerned in functional activity, and upon the recent advances in inorganic chemistry. Such phenomena as diffusion, dialysis, osmosis, colloids, radio-activity and the structure

of the atom, are especially emphasized. The student is also taught in the laboratory the standardization of apparatus, hydrogen-ion concentration, the preparation of standard solutions, the theory and use of indicators, and quantitative principles essential for subsequent biochemical analysis.

2. *Physiological Chemistry*.—After the above preliminary training the remainder of the year is devoted to physiological chemistry. This course consists of a study of the chemical structure and reactions of carbohydrates, fats, and proteins; the composition of the tissues of the body, and of milk, urine and the secretions; the physiological chemical processes such as the digestion, absorption and assimilation of foods, general enzyme action and metabolism; the fundamental principles of nutrition. The laboratory work is planned to supplement the lectures by a qualitative and quantitative study of the substances and physiological processes discussed, concluding with special experiments in metabolism.

3. *Clinical Chemistry*.—A course in the biochemical methods of analysis used as aids in the diagnosis of disease. This consists of a quantitative examination for significant substances in the blood, urine, gastric juice, and alveolar air, and the interpretation of these findings as applied to diseased conditions. The routine qualitative clinical tests are also considered thoroughly. These studies are carried out upon pathological material from the University Hospital and other sources.

4. *Graduate Work*.—A course in clinical chemistry is offered to a limited number of physicians and graduate students who wish to become acquainted with recent advances in laboratory methods of diagnosis.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Chemistry .....	I	240	64
Clinical Chemistry .....	III	48	12

#### BACTERIOLOGY AND PATHOLOGY

OSCAR BENWOOD HUNTER, A. M., M. D. .... *Professor*

TOMÁS CAJIGAS, M. S., M. D. .... *Professor of Pathology*

WALTER FREEMAN, A. B., M. D. .... *Professor of Neuro-Pathology*

JAMES EDWIN HOUGHTON, M. D.,

*Professor of Preventive Medicine and Hygiene*

REGINA COOK JOHNSON, A. B., M. D.,

*Instructor in Bacteriology and Pathology*

HELEN I. PFAFF, M. S. .... *Instructor in Bacteriology*

HERBERT MARTYN, M. D. .... *Instructor in Morbid Anatomy*

ROGER M. CHOISSEY, M. D. .... *Instructor in Parasitology*



### BACTERIOLOGY

The didactic portion of the course in Bacteriology consists of a series of about thirty lectures and quizzes, in which the entire field of bacteriology, including immunology in its application to human medicine and welfare, is considered. The first few lectures are necessarily limited to the consideration of the general principles of the science, after which the pathogenic microorganisms are discussed in a systematic sequence, with the theories of immunity treated of in appropriate places.

In the laboratory portion of the course which occupies about three-quarters of the total time devoted to the subject the students first prepare all the standard culture media and learn the general principles of bacteriologic technic from the study of about a dozen typical, widely different non-pathogenic organisms. Subsequently, thirty-five to forty pathogenic bacteria are carefully examined by microscopic, cultural and serologic methods. The students prepare as far as practicable such special media as are needed for this latter work. In addition to this systematic examination of characteristic organisms the students test the efficiency of the commonly employed germicides, prepare a vaccine, and in groups prepare agglutinating, hemolytic and other immune serums and use these as commonly employed in diagnosis. In connection with the preparation of culture media the principles of sterilization are covered. In the microscopic examination of bacteria the students are trained in the use of the high powers of the microscope, in the use of dark ground illumination, and are taught to make microscopic measurements.

During the course where occasion arises in connection with special cases of interest in the University Hospital or elsewhere unusual infections or rarely occurring processes of diagnosis, etc., are demonstrated. The routine bacteriologic and serologic work of the Hospital is done in the same laboratory where the students are working so that they have ample opportunity to observe the practical application of bacteriology.

### PATHOLOGY

In Pathology the division of the course into laboratory and lecture teaching is followed, the amount of time devoted to each being about twice the corresponding time in Bacteriology. General pathology, covering inflammation, repair, degenerations, the effects of plant (including bacteria) and animal parasites on the body, the effect of chemical and physical agents, the formation of new growth, etc., is first considered. This is followed by the special pathology of the organs and of the specific diseases.

The laboratory work consists primarily in the histologic study of diseased tissues and neoplasms. Between two and three hundred sections are stained, mounted and loaned to each student. These sections are

carefully examined and studied by the student who makes colored pencil drawings of the characteristic lesions shown by them.

Each student is required to freeze, section, stain and diagnose a number of tissues until he becomes thoroughly familiar with frozen section technique.

The microscopic study is supplemented by that of material from the operating room, post-mortem and by specimens in the museum, thus giving a knowledge of gross morbid anatomy.

At St. Elizabeth's Hospital, under Dr. Freeman, students have an excellent opportunity for training in gross and neuro-pathology.

### CLINICAL MICROSCOPY AND PARASITOLOGY

In the course in Clinical Microscopy the student is trained in the counting of the red and the white blood cells, in the various methods of hemoglobin estimation, in differential leucocyte counting, in the study of malarial parasites, and such other parasites of the blood as opportunity affords, in the estimation of the coagulation time of the blood, etc., in the microscopic study of the sediments in normal and pathologic urines, in the microscopic examination of stomach contents, of the feces, including a detailed study of animal parasites and their eggs, in the microscopic examination of sputum, of spinal fluids, pleural exudates, etc., as material and opportunities afford. The significance and value of these findings as applied to pathology and diagnosis are considered.

### PREVENTIVE MEDICINE AND HYGIENE

The course in Preventive Medicine and Hygiene consists of lectures and recitations, laboratory work, sanitary excursions and sanitary surveys. The lectures and recitations cover the field of preventive medicine and hygiene, including personal hygiene, in a systematic way, using the standard text-books for the basic reading. The laboratory instruction consists of laboratory work and demonstrations in public health laboratory methods and in physiological hygiene. The sanitary excursions include visits to the two principal types of water treatment plants, sewage treatment works, refuse disposal plants, dairy, pasteurization plant, schools, various industrial plants, and a county health organization. A study will be made of the organization and functioning of a city health department; and the students will make sanitary surveys of small towns.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Bacteriology.....	II	144	30
Pathology.....	II	320	60
Preventive Medicine and Hygiene.....		92	48
		—556	—138
Clinical Microscopy and Parasitology—		72	16



## MEDICINE

BUCKNER MAGILL RANDOLPH, M. D.	<i>Professor of Clinical Medicine</i>
WILLIAM JOHNSTON MALLORY, M. D.	<i>Professor of Medicine</i>
J. LAWN THOMPSON, M. D.	<i>Professor of Medicine</i>
COURSEN BAXTER CONKLIN, B. S., M. D.	<i>Professor of Physical Diagnosis</i>
GLENMORE FORD CLARK, M. D.	<i>Professor of Tropical Medicine</i>
HARRY S. BERTON, M. D.	<i>Professor of Medical Jurisprudence</i>
THOMAS ASH CLAYTOR, M. D.	<i>Clinical Professor</i>
FRANK LEECH, M. D.	<i>Clinical Professor</i>
THOMAS S. LEE, M. D.	<i>Clinical Professor</i>
WILLIAM DAVID TEWESBURY, M. D.	<i>Clinical Professor</i>
GEORGE N. ACKER, 2nd, M. D.	<i>Clinical Professor</i>
FRANK ADELBERT HORNADAY, S. B., M. D.	<i>Clinical Associate</i>
JOSEPH WINTHROP PEABODY, M. D.	<i>Clinical Associate</i>
WATSON W. ELDRIDGE, M. D.	<i>Clinical Associate</i>
HENRY R. SCHREIBER, M. D.	<i>Clinical Associate</i>
EVERETT MUNROE ELLISON, A. M., M. D.	<i>Clinical Associate</i>
CARROL EDWARD BINGMAN, M. D.	<i>Clinical Associate</i>
BENJAMIN F. WEEMS, A. B., M. D.	<i>Clinical Associate</i>
ROBERT S. BEALE, M. D.	<i>Clinical Instructor</i>
WILLIAM B. SIMS, M. D.	<i>Clinical Instructor</i>
JOHN MINOR, A. B., M. D.	<i>Clinical Instructor</i>
DANIEL S. HATFIELD, M. D.	<i>Clinical Instructor</i>
GEORGE O. BASSETT, M. D.	<i>Clinical Instructor</i>
RALPH J. HAWS, M. D.	<i>Clinical Instructor</i>
VIRGIL B. WILLIAMS, M. D.	<i>Clinical Instructor</i>
FRANK L. WILLIMAN, M. D.	<i>Clinical Instructor</i>
ELLIOTT MUSE CAMPBELL, M. D.	<i>Clinical Instructor</i>
JOHN P. MALONEY, M. D.	<i>Clinical Instructor</i>
TERRELL MOODY, M. D.	<i>Clinical Instructor</i>
ROGER S. COHEN, M. D.	<i>Clinical Instructor</i>
LOUIS B. CASTELL, M. D.	<i>Clinical Instructor</i>
JOSEPH B. GLENN, M. D.	<i>Clinical Instructor</i>
JOSEPH ARTHUR JEFFRIES, M. D.	<i>Clinical Instructor</i>

Instruction in Medicine is so given as to conform to the most modern requirements. The work begins in the second year with a complete course in history-taking and normal physical diagnosis, and is continued through the third and fourth years. During the last two years the course consists of lectures, recitations, a study of case histories, clinical conferences, and practical work in the clinical laboratory and at the bedside.

The third year class is divided into small sections, which are required to attend the daily dispensary service in the University Hospital, where they are drilled especially in history-taking and in the technique of practical physical diagnosis.

The fourth-year class is similarly divided into small sections, and these are required to attend the ward clinics in the University Hospital, the Garfield Memorial Hospital, Children's Hospital, St. Elizabeth's Hospital, and the Tuberculosis Hospital of the District of Columbia and others.

The system of ward clinics to small groups of students affords a most effective method of studying disease and gives to every student an opportunity of following a large assortment of diseases from their commencement to the termination of their illness; in no other way is it possible to get a more practical knowledge of the methods of studying disease or a more intimate knowledge of disease itself.

Every patient in the medical wards of the University Hospital is assigned to one, or at most, two senior students, who are required (under proper supervision) to take the history, to make and record a complete physical examination, to determine after due study the nature of the illness (diagnosis), to outline a plan of treatment, and to make daily notes of the progress of the case.

A weekly amphitheatre clinic is given to third-year students in a body and a similar clinic to the fourth-year class. A series of clinics in neurology and psychiatry is provided for the senior class at the Saint Elizabeth's Hospital, where there is a great wealth of material (see announcement of Psychiatry and Clinical Neurology).

The subject of dietetics is thoroughly covered by instruction in the physiology of nutrition and principles of feeding in health and disease.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Medicine.....	II, III, IV		
General Medicine.....		666	160
*Clinical Microscopy.....		72	24
†Clinical Chemistry.....		48	12
Physical Diagnosis.....		140	12
Tropical Diseases.....		12	12
Dermatology and Syphilis.....		40	16
Nervous and Mental Diseases.....		132	52
Pediatrics.....		160	24
Medical Jurisprudence.....		23	23
		—1293	—335

#### PHYSICAL DIAGNOSIS

COURSEN BAXTER CONKLIN, B. S., M. D.....	<i>Professor</i>
BENJAMIN F. WEEMS, M. D.....	<i>Clinical Associate</i>
CARROLL EDWARD BINGMAN, M. D.....	<i>Clinical Associate</i>
WILLIAM MCCORMICK BALLINGER, B. S., M. D.....	<i>Clinical Instructor</i>

\* See also announcement under Bacteriology and Pathology.

† See also announcement under Chemistry.



Systematic instruction in physical diagnosis is given by a special group of teachers.

Students in the second year receive thorough practical training in normal findings as a basis. In the third year, section and individual instruction is given in cases where the physical findings have been already determined, and in the fourth year, cases are assigned to students for examinations after which the students' findings are checked for accuracy by the instructors.

### TROPICAL MEDICINE

GLENMORE F. CLARK, M. D.,

*Lt. Commander, Medical Corps, U. S. N., Professor.*

The course in tropical diseases is similar to that given in the Army and Navy Medical Schools, and consists of didactic lectures, quizzes, and laboratory instruction, with particular reference to the parasitic, protozoal diseases common in the tropics and in the southern part of the United States.

### PSYCHIATRY AND CLINICAL NEUROLOGY

WILLIAM ALANSON WHITE, M. D., Superintendent of Saint

Elizabeth's Hospital

*Professor*

JOSEPH DUERSON STOUT, M. D., Ph. D. *Professor of Neurology*

NOLAN DON CHARPENTIER LEWIS, M. D. *Chemical Professor of Psychiatry*

MARY O'MALLEY, M. D. *Associate*

ROSCOE W. HALL, M. D. *Clinical Associate*

DANIEL C. MAIN, M. D. *Associate*

JOHN E. LIND, M. D. *Clinical Associate in Psychiatry*

PHILIP JOHN TRENTZSCH, M. D. *Clinical Associate in Psychiatry*

RAYMOND K. FOXWELL, M. D. *Clinical Instructor*

JOHN M. LADD, M. D. *Clinical Instructor*

A series of lectures and clinics upon psychosis and neurology in various forms are given at Saint Elizabeth's Hospital which, with its more than four thousand beds, affords one of the largest clinics in this country.

### NEUROLOGY

JOSEPH DUERSON STOUT, A. M., M. D., Ph. D. *Professor*

The course in Neurology consists of one lecture a week during the school year and two hours of clinical teaching in the Dispensary and wards of the Emergency Hospital, with the demonstration of selected cases. This is given in the fourth year. In addition, there is a neurological clinic of one hour at the George Washington University Dispensary, where cases are demonstrated to the third-year class.

In the lecture course in the fourth year a survey of the functions and disease of the glands of internal secretions and of the diseases of the nervous system, not including the psychoses and other mental states.

## PEDIATRICS

HARRY HAMPTON DONNALLY, A. M., M. D.....	<i>Professor</i>
HARRY A. ONG, M. D.....	<i>Associate Professor</i>
PRESTON A. McLENDON, M. D.....	<i>Associate</i>
HUGH JEFFERSON DAVIS, M. D.....	<i>Clinical Instructor</i>
EDWARD B. BROOCKS, M. D.....	<i>Clinical Instructor</i>
EDWARD LEWIS, M. D.....	<i>Clinical Instructor</i>

The teaching of pediatrics is made as practical as possible by having nearly all the classes in the Children's Hospital. A large outpatient service and the patients in hospital are utilized for instruction in the prevention, diagnosis, and management of the diseases of infancy and childhood. The subject of nutrition is emphasized, and practical application of its principles studied in the baby ward and child welfare clinic. Care and feeding of premature and delicate infants are observed in a specially fitted warm-room. Small classes at the bedside and in the dispensary give close contact with patients and almost individual instruction.

Amphitheatre clinics are given weekly to the fourth-year class.

Didactic lectures, two hours per week for three months, introduce the third-year class to the special problems of pediatrics which are fully taught in the fourth year.

## PHYSICAL DIAGNOSIS

COURSEN BAXTER CONKLIN, B. S., M. D.....	<i>Professor</i>
CARROLL E. BINGMAN, M. D.....	<i>Clinical Associate</i>
BENJAMIN F. WEEMS, M. D.....	<i>Clinical Associate</i>

Instruction is given in the principles and methods of physical examination by means of recitations, section work or normal subjects, and with clinical cases which typically represent diseased conditions.

## DERMATOLOGY

C. AUGUSTUS SIMPSON, M. D.....	<i>Professor</i>
HERMAN E. KITTREDGE, M. D.....	<i>Clinical Instructor</i>
CHARLES B. CAMPBELL, M. D.....	<i>Clinical Instructor</i>

The lectures in this course will be principally clinical, supplemented by didactic lectures, illustrated by diagrams, models, and photographic illustrations of disease from life.

## MEDICAL JURISPRUDENCE

JOHN PAUL EARNEST, A. M., LL. M.....	<i>Professor</i>
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This course is designed to familiarize students with the rights and obligations of physicians, both legal and ethical, and to qualify them to apply the facts of medical science to the solution of problems in law.



## SURGERY

WILLIAM CLINE BORDEN, M. D.	Professor
CHARLES STANLEY WHITE, M. D.	Associate Professor
DANIEL LERAY BORDEN, A. M., M. D.	Associate Professor
HARRY HYLAND KERR, M. D.	Clinical Professor
AURELIUS RIVES SHANDS, M. D.	Clinical Professor
JAMES F. MITCHELL, A. B., M. D.	Clinical Professor
WILLIAM BERRY MARBURY, M. D.	Associate in Surgery
OTTO NELLIS WARNER, M. D.	Professor of Anaesthesia
THOMAS CHARLES MARTIN, M. D.	Professor of Proctology
CHARLES W. HYDE, M. D.	Associate in Anaesthesia
CLINE N. CHIPMAN, M. D.	Associate in Anaesthesia
FRANCIS G. SPEIDEL, M. D.	Associate in Anaesthesia
JETER CARROLL BRADLEY, M. D.	Instructor in Anaesthesia
EDWARD M. PARKER, M. D.	Clinical Associate
EDMOND J. HORGAN, M. D.	Clinical Associate
HARRY SAMUEL LEWIS, M. D.	Clinical Associate
GEORGE H. MORRIS, M. D.	Clinical Instructor
HERBERT H. SCHOENFELD, M. D.	Clinical Instructor
PAUL S. PUTZKI, M. D.	Instructor
JESSE THOMAS MANN, M. D.	Instructor
JAMES A. CAHILL, M. D.	Clinical Instructor
NATHAN SMILER, M. D.	Clinical Instructor
FRED T. WILLIAMSON, M. D.	Clinical Instructor
WILLIAM H. MCKAY, M. D.	Clinical Instructor
JOHN H. LYONS, M. D.	Clinical Instructor
LYLE MILLAN MASON, M. D.	Clinical Instructor
BENJAMIN F. IDEN, JR., B. A., M. D.	Clinical Instructor
HARRY LA CLAUD, M. D.	Clinical Instructor
MAURICE H. HERZMARK, M. D.	Clinical Instructor
BENJAMIN NEWHOUSE, M. D.	Clinical Instructor
JAMES M. FADELEY, M. D.	Clinical Instructor
J. ERNEST MITCHELL, M. D.	Clinical Instructor
JAMES H. EARLEY, M. D.	Clinical Instructor
JOHN J. SHUGRUE, M. D.	Clinical Instructor
RUSSEL K. HOLLINGSWORTH, M. D.	Clinical Instructor
WILLIAM D. GOODMAN, M. D.	Clinical Instructor
MYER JEROME HERSCHMANN, M. D.	Clinical Instructor
WILLIAM GLENN YOUNG, M. D.	Clinical Instructor
BRADLEY D. HODGKINS, M. D.	Clinical Instructor

The principles of surgery are presented in a systematic course of lectures, so that the student may obtain a comprehensive and adequate concept of the science and art of surgery. The special divisions of surgery are taught by associates and instructors who have made specialties of these branches. The

clinical material in the University Hospital and Dispensary, being under the control of the Faculty, is directly used throughout the course to illustrate the subject taught and to familiarize the students with actual clinical conditions. Surgical technique is taught by instruction in the preparation of materials used in antiseptic and aseptic surgery, the preparation of the patient, and the sterilization of instruments. Practical instruction is given in the Hospital and Dispensary in the application of splints, bandages and dressings used in the various surgical diseases and injuries. Thorough instruction and practical demonstrations are given in the administration of anaesthetics.

Clinical teaching is carried on in the University Hospital and Dispensary, and in other hospitals of the city to which members of the Faculty are attached.

Ward clinics and bedside instruction are made a prominent part of the course. The classes are divided into sections, which are regularly assigned to clinical work in the University Hospital and Dispensary, and in other hospitals and dispensaries. Senior students are assigned in rotation to individual cases in the wards of the University Hospital.

Amphitheatre clinics are given, in which the general practice of surgical diagnosis, operative technique and therapeutic procedures are shown.

Practical work is required of each student in the preparation of dressings and sterilization of instruments. Each student is required to give, under instruction, at least six anaesthesias and to assist in at least six operations.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Surgery.....	II, III, IV		
General Surgery, including Minor			
Surgery, Military Surgery, Frac-			
tures and Anaesthesia.....		484	148
Roentgenology.....		36	14
Ophthalmology.....		60	18
Laryngology and Otology.....		56	28
Genito-Urinary Surgery.....		52	28
Orthopedics.....		57	24
		—745	—260

#### ORTHOPEDICS

CUSTIS LEE HALL, M. D.....	Professor
AURELIUS RIVES SHANDS, M. D.....	Clinical Professor
THOMAS MADDEN FOLEY, M. D.....	Clinical Professor
GUY W. LEADBEATER.....	Clinical Instructor

A course of lectures and recitations on the etiology, pathology, course, termination and treatment of congenital and acquired diseases of the bones and joints, with clinical instruction in the operations for the relief and correction of deformities, and the use of special apparatus and plaster of Paris.



## GENITO-URINARY DISEASES

FRANCIS RANDALL HAGNER, M. D.	Professor
HOMER GIFFORD FULLER, M. D.	Clinical Professor
ADAM KEMBLE, M. D.	Clinical Associate
CHARLES O. KNOTT, M. D.	Clinical Instructor
LYLE M. MASON, M. D.	Clinical Instructor
F. AUGUST REUTER, M. D.	Clinical Instructor

A thorough course of instruction in genito-urinary diseases is given by lectures, recitations, section clinics, and bedside teaching.

## MILITARY SURGERY

SEWELL MUNSON CORBETT, M. D., Major, Med. Corps, U. S. A., *Professor*

The treatment of gunshot wounds with special reference to civil and military practice is given in a course of lectures and demonstrations, fully illustrated by lantern slides, X-ray photographs, and actual specimens.

The use of the new armaments in recent wars and the characteristic features of the wounds caused by them, as well as the treatment of gunshot wounds in peace and war, are dealt with.

## OPHTHALMOLOGY

WILLIAM THORNWALL DAVIS, M. D.	Professor
DANIEL KERFOOT SHUTE, A. B., M. D.	Clinical Professor
CARL HENNING, M. D.	Clinical Professor
EDWARD GRANT SEIBERT, M. D.	Clinical Professor
RALPH S. PENDEXTER, M. D.	Associate
ALBERT PERKINS TIBBETS, A. B., M. D.	Clinical Instructor
WILSON P. MALONE, M. D.	Clinical Instructor

A course of lectures is given on the elementary principles of this subject, together with special instruction in the anatomy and physiological action of the more intricate parts of the eye. It is not intended to qualify the student as a specialist, but to give him a knowledge of what every general practitioner ought to know. The course is supplemented by clinical instruction in the University Dispensary and in the Episcopal Eye, Ear and Throat Hospital.

## LARYNGOLOGY AND OTOTOLOGY

VIRGINIUS DABNEY, M. D.	Professor
OSCAR ADDISON MACK MCKIMMIE, M. D.	Clinical Professor
WILLIAM H. JENKINS, M. D.	Clinical Associate
EDWARD GRANT SEIBERT, M. D.	Clinical Professor
ALBERT PERKINS TIBBETS, A. B., M. D.	Clinical Instructor
SAMUEL HARRISON GREENE, M. D.	Clinical Instructor

SAMUEL BOYCE POLE, M. D.....	<i>Clinical Instructor</i>
EARL G. BREEDING, M. D.....	<i>Clinical Instructor</i>
FREDERICK C. SCHREIBER, M. D.....	<i>Clinical Instructor</i>
BOYCE R. BOLTON, M. D.....	<i>Clinical Instructor</i>
EUGENE A. TAYLOR, M. D.....	<i>Clinical Instructor</i>
RICHARD LAURENS DESAUSURE, M. D.....	<i>Clinical Instructor</i>
FLOYD MCJANKIN ALLEN, M. D.....	<i>Clinical Instructor</i>

The course comprises lectures and clinical instruction on diseases of the nasal passages, pharynx, larynx, and the ear. Practical demonstrations are given in the use of the laryngoscope and other instruments required in these special branches.

#### ROENTGENOGRAPHY

ARTHUR C. CHRISTIE, M. D.....	<i>Professor</i>
THOMAS A. GROOVER, M. D.....	<i>Associate Professor</i>
EDWIN A. MERRITT, M. D.....	<i>Associate</i>

The course consists of weekly lectures and demonstrations during the latter half of the year to the third-year class and of practical clinical demonstration of apparatus and the application of the X-ray to diagnosis during the entire fourth year. A fully equipped roentgen laboratory is maintained in the University Hospital and Dispensary and clinical demonstrations are also given to the fourth-year students at the X-ray laboratory at Garfield Memorial Hospital.

#### OBSTETRICS

HURON WILLIS LAWSON, S. M., M. D.....	<i>Professor</i>
WILLIAM SINCLAIR BOWEN, M. D.....	<i>Clinical Professor</i>
CYRUS W. CULVER, M. D.....	<i>Associate</i>
HOWARD FRANCIS KANE, A. B., M. D.....	<i>Associate</i>
EDGAR SNOWDEN, M. D.....	<i>Clinical Associate</i>
RICHARD L. SILVESTER, M. D.....	<i>Clinical Associate</i>
JACOB KOTZ, M. D.....	<i>Clinical Instructor</i>

The course in obstetrics comprises lectures, recitations, laboratory demonstrations and clinical instruction and extends over the third and fourth years. The lectures serve to outline the subject-matter and the recitations insure careful preparation on the part of the student. Special laboratory studies dealing with anatomy, embryology and pathology in relation to obstetrics are conducted in the different laboratories concerned. Models, manikins and cadavers are utilized in teaching the mechanism of labor and obstetrical operations. Clinical instruction is given to the classes in small sections at different hospitals and in the out-patient obstetrical service. Beginning about the middle of the third year each



student is given practical instruction in making antepartum examinations and observes the management of labor cases. During the fourth year he conducts, under the supervision of a paid instructor, twelve labor cases in the large and well-organized out-patient maternity service and submits written reports upon the cases attended.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Clinical	Didactic not to exceed
Obstetrics.....	III and IV	192*	64

### GYNECOLOGY

JOHN WESLEY BOVÉE, M. D.....	Professor
ALBERT LIVINGSTON STAVELY, M. D.....	Clinical Professor
GIDEON BROWN MILLER, M. D.....	Clinical Professor
ELIJAH WHITE TITUS, M. D.....	Associate
VIRGIL B. JACKSON, M. D.....	Clinical Instructor
ARCH LOCKHART RIDDICK, M. D.....	Clinical Instructor
GLADYS KAIN, M. D.....	Clinical Instructor
CHARLES DEMAS, M. D.....	Clinical Instructor
GEORGE NORDLINGER, M. D.....	Clinical Instructor
ROBERT EMMETT MORAN, M. D.....	Clinical Instructor
WALTER EMMETT McCAWLEY, M. D.....	Clinical Instructor

Gynecology as taught in the third year comprises a course of lectures, text-book recitations and clinical instruction. In the fourth year individual students are assigned to cases in the wards of the University Hospital, and the class is taken in sections of one or two students each into the Gynecological Dispensaries for clinical instruction in examinations, diagnosis, and treatment. In larger sections the class attends amphitheater and ward clinics given by the Professor of Gynecology and his assistants.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Clinical	Didactic not to exceed
Gynecology .....	III and IV	120	45

### ETHICS

The subject of ethics as given in the order of instruction will comprise didactic lectures on general and personal ethics in the first year and on medical ethics in the fourth year. Instruction will be given concerning personal hygiene, care of laboratory equipment, general conduct and adaptability for the profession.

\* The total number of clinic hours cannot be given, as each student is required to attend twelve cases, exclusive of the demonstration work and Ward and Dispensary Clinics above enumerated.

## CLINICS

BUCKNER MCGILL RANDOLPH, M. D. .... *Director*  
 CYRUS W. CULVER, M. D. .... *Associate Director in Obstetrics*

The faculty believes that clinical teaching should be as thoroughly systematized as is the teaching in the laboratories. To this end, all clinics are now under the supervision of a Director of Clinics. This secures the highest possible utilization of available clinical material for teaching purposes, a proper supervision of clinicians and students, brings the individual student into direct contact with patients and requires him to do under authoritative supervision the clinical and laboratory work necessary to diagnosis and treatment, to properly interpret the conditions occurring during the progress of cases, and to correctly write up records.

Clinical and clinico-pathological conferences are held in which the history of cases, the physical, the laboratory and the post-mortem pathology when available, are presented and correlated.

## CLINICAL FACILITIES

The following hospitals are open to the students of this school for clinical study, and are extensively used for that purpose:

## University Hospital and the University Dispensary

The Hospital and Dispensary are part of the educational equipment of the University. They are integral parts of the Medical School, are entirely controlled by the Faculty of Medicine, and are used primarily in instructing the students in clinical work. The Dispensary has a large out-patient service in all departments, to which several thousand visits are made annually.

The staff is composed of members of the Faculty of Medicine.

## Garfield Memorial Hospital

Clinical instruction in medicine, including contagious diseases, surgery, gynecology and obstetrics.

## Providence Hospital

Clinical instruction in medicine and surgery.

## Emergency Hospital and Central Dispensary

Clinical instruction in medicine, surgery, particularly in emergency surgery, fractures and dislocations, dermatology and orthopedics.

## Washington Asylum Hospital

Clinical instruction in medicine, particularly in chronic conditions.



**Columbia Hospital for Women**

Clinical instruction in obstetrics and gynecology.

**St. Elizabeth's Hospital**

This hospital, with 4,000 beds, is maintained by the United States Government.

Clinical instruction in mental and nervous diseases, medicine, surgery, in post-mortem work and gross pathology.

The psychiatric clinic is one of the largest in the country.

**Children's Hospital**

Clinical instructions in pediatrics and general and orthopedic surgery.

**The Episcopal Eye, Ear, Nose, and Throat Hospital**

Clinical instruction in ophthalmology, otology, laryngology and rhinology.

**Casualty Hospital**

Instruction in emergency surgery and orthopedics.

**Tuberculosis Hospital**

Clinical instruction in tuberculosis, in all its phases, both medical and surgical.

**CLASSIFICATION AND ADVANCEMENT OF STUDENTS**

Students are divided into four classes, according to their proficiency and time spent, viz: first year, second year, third year and fourth year.

*Proficiency* in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

*Examinations* are held at the end of the course in each subject. Students who fail to appear at a regular examination will not be examined until the next regular examination except by special permission of the Advisory Committee of the Faculty. For special examinations, a fee of ten dollars will be charged for each subject.

A student who has failed in any subject will not be advanced unless his case is especially meritorious and then only by the authority of the Advisory Committee of the Faculty. A student who has failed in a subject may, in the discretion of the Advisory Committee, be required to make it up in the September examinations.

A student who fails of graduation may, if approved by the Advisory Committee, be reexamined for graduation in the September examinations.

A student allowed to take the September examinations, either for graduation or advancement, will be required to take examinations in

such subjects as the Advisory Committee may direct. For these examinations a fee of five dollars will be charged for each subject.

A student allowed to repeat a year will be required to take such subjects and such examinations as may be directed by the Advisory Committee.

A student who fails of advancement after repeating any one of the first three years or fails of graduation after repeating the final year will not be permitted to maintain his connection with the school.

#### REQUIREMENTS FOR GRADUATION

Every candidate for the degree of Doctor of Medicine must be at least twenty-one years of age and of reputable character. He must have complied with the admission and other requirements set forth. He must have attended at least 80 per cent of all required instruction during four sessions of thirty-two weeks each in four separate years; must have satisfactorily completed all his courses and passed all his examinations. He must be present at the time specified for the final examinations, and also at commencement. The degree is not conferred in the absence of a candidate except by special consent of the President's Council. Graduates of other accredited colleges who desire degrees must spend one year in residence at this school.

Candidates who in their work and examinations attain general averages of 90 or more will be presented to the Faculty for consideration with reference to being designated as having graduated with distinction. If in the opinion of the Faculty such candidates have shown themselves to be possessed of more than ordinary merit, they will have inscribed upon their diplomas beneath their degree the words "with distinction."

#### PRIZES

A prize from the Ordronaux Prize Endowment will be awarded to the student of the third and the student of the fourth-year class who has the highest scholastic standing.

#### HOSPITAL APPOINTMENTS

Interns are annually appointed in the University Hospital. Appointments to similar positions are open to graduates and undergraduates of this school in the following other hospitals of the city; Garfield Memorial Hospital, Emergency Hospital, Columbia Hospital for Women, Casualty Hospital, Providence Hospital, Washington Asylum Hospital, Children's Hospital, Episcopal Eye, Ear and Throat Hospital, Sibley Hospital, and Walter Reed U. S. Army General Hospital.



### UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society was established in 1905 by a group of alumni. Its purpose is to cultivate closer friendly relations between the alumni and members of the faculty by means of social gatherings; to advance medical science by the presentation of essays, case reports and specimens for instruction and discussion at its meetings, and to further the interest of the University in general. All alumni and members of the faculty are eligible for membership on election.

Meetings of the Society are held in the Medical School building on the third Saturday of each month from October to May.

Senior students are invited to attend the meetings of this Society, so allowing them the valuable opportunity of hearing the papers presented on medical subjects and becoming familiar with the conduct of medical societies.

### THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The central building of this Association is situated within a short distance of the Medical School.

On application through the Dean, students non-resident of the District may become members, with full privileges, including gymnasium, shower baths, swimming pools, lockers, etc., at a special rate of ten dollars for the period of the school session.

Further information regarding the Association may be obtained by application to the Secretary, 1736 G Street N. W.

### MEDICAL CORPS UNIT—RESERVE OFFICERS' TRAINING CORPS, U. S. ARMY

A Medical Unit (R. O. T. C.) is established in this school by authority of the Secretary of War, and an officer of the Medical Corps of the Army is detailed to the University for supervision and instruction of the students in the unit.

Membership in the unit is voluntary, is open to any physically fit male student who is a citizen of the United States, and such membership offers material advantages.

Any student who remains in the unit for the four years of his medical course receives in the last two years compensation from the Government fixed annually and amounting to between \$110 and \$150 per year.

The instruction in the unit is divided into two courses of two years each and consists of one hour per week of instruction in medico-military science and tactics, additional to the regular hours of medical teaching.

The object of the course is to prepare men for a better appreciation of the obligations as well as the rights of citizenship and to give them basic training in medico-military subjects.

Students who satisfactorily complete the first two years may, if they elect, enter the advanced course of two years during which they receive pay, are obligated to complete the course and to attend one summer camp of instruction for six weeks to which the student will receive travel pay of five cents per mile and return to his home and during which he will have all camp requirements provided, including uniform only worn in camp, other necessary articles, medical attention if necessary, and pay at the rate of \$21 per month—really giving an enjoyable outing with pay.

Students who successfully complete the course are upon graduation recommended for commission in the Medical Section, Officers' Reserve Corps, provided they desire appointment. Selected graduates are eligible for and given preference in appointment to internships in Army General Hospitals.

While students are not in any way obligated to enter the unit, it is suggested that for the small obligation and time given, the instruction and pay received is well worthy of consideration.

#### MEDICAL SCHOOL FEES

Registration, payable on entrance.....	\$5.00
Registration, each subsequent year.....	2.00
Tuition, each year .....	272.00
Material, first, second and third year, each.....	10.00
Breakage deposit, unused part returnable.....	10.00
University fee .....	8.00
Graduation fee .....	10.00

On account of the large number of applications for admission, places can be reserved only for those qualified applicants who remit with the matriculation fee the incidental fees and two months' tuition—a total of \$93.00.

In case of illness or other unforeseen inability to attend, the tuition and incidental fees paid will be returned up to one month before the opening of the session, or thereafter if the place reserved is filled by another applicant.

There is no charge for use of microscopes, but students will be required to pay for injury to microscopes, apparatus and other college property. All breakage and loss not directly traceable to an individual student is assessed pro rata and any unforfeited balance of the breakage deposit will be returned at the expiration of the course.

Students who elect to take the regular four-year course in five years will be required to pay full tuition for each of the five years.



Persons are allowed to register as auditors for the tuition fees without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance.

No change in the courses undertaken at the time of registration will be made unless approved by the Dean.

#### UNIVERSITY FEE

To insure them certain privileges and benefits, all students in the University are charged a fee of four dollars per semester, by which they are entitled to the following:

1. Gymnasium privileges, including participation in intra-university athletic sports.

2. The University Hatchet, the official student newspaper issued weekly.

3. Medical and Hospital benefit as follows:

- (a) Three visits by the University physician, office or home, in any one illness, exclusive of a specialist or surgical operation.

- (b) Room, board, medicine, and undergraduate nursing in the University Hospital for not more than two weeks during the school term; necessity to be determined by the University surgeon.

- (c) This benefit does not include: Treatment for illness or disability incurred previous to University term or prior to payment of fee.

4. Admission to all home athletic contests.

5. Admission to University debates.

6. Admission at special rates to other University events.

7. Use of the University tennis courts.

Registration in the Medical School is for a period of one year at a time. Acceptance by the School of a student's fee does not in any way obligate the School to accept the student for any subsequent year, and the right is reserved to drop any student from the School whenever in the interest of the student or the School the Advisory Committee of the Faculty deems it advisable to do so.

Registration, other fees and deposits are due in full in advance. After the initial payment for two months to secure registration in the freshman class tuition may be paid in monthly instalments in advance. Students who are unable to pay their fees monthly in advance will be required to file an acceptable personal or corporate bond of \$200 as security for future payment. In every instance all indebtedness must be discharged on or before May 1 of the current school year. All fees are payable at the office of the Dean.

#### WITHDRAWALS

Withdrawals will be granted only on recommendation of the Dean and the approval of the President.

A certificate of work done will be given to any student granted a withdrawal or a transfer to another school during the session. A written request for withdrawal or transfer must be filed with the Dean and no permission to withdraw or transfer, and no certificate of work done, will be given a student unless all fees and dues chargeable against him up to the end of the month in which he withdraws have been paid.

#### BOARD AND ROOMS

A register of boarding houses is kept by the Treasurer. Accommodations cost from \$30 to \$50 a month.

As the number of qualified applicants for admission to the School each year exceeds its capacity, those who wish to insure admission are urged to secure from the schools and colleges attended, completely compiled, premedical credentials and forward them for evaluation as long a time as possible before the opening of the Medical School in September.

While no standard form for statement of premedical credentials is required, certificate submitted must give complete information as to number of didactic and laboratory hours taken in each subject, year in which each subject was pursued, and the grade received in each. A blank form for the above information will be furnished upon request.

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For catalogues, application blanks, and further information, address:

THE DEAN,

*Medical School,*

*The George Washington University,*

*1335 H Street N. W., Washington, D. C.*



## THE GEORGE WASHINGTON UNIVERSITY SCHOOL OF NURSING

### ADMINISTRATIVE AND TEACHING PERSONNEL

WILLIAM MATHER LEWIS, A. M., LL. D.	<i>President of the University</i>
WILLIAM CLINE BORDEN, M. D.,	
Dean, Department of Medicine, and Chairman, Executive Committee of the Hospital	
JASON D. BYERS	<i>Superintendent of the Hospital</i>
OSCAR BENWOOD HUNTER, S. M., M. D.	<i>Bacteriology and Pathology</i>
LESLIE HOWSON FRENCH, M. D.	<i>Medical Diseases and Physiology</i>
WILLIAM T. DAVIS, M. D.	<i>Eye</i>
FRANK A. HORNADAY, M. D.	<i>Hygiene and Sanitation</i>
ELIJAH WHITE TITUS, M. D.	<i>Gynecology</i>
HOWARD FRANCIS KANE, M. D.	<i>Obstetrics</i>
COURSEN B. CONKLIN, M. D.	<i>Contagious Diseases</i>
CUSTIS LEE HALL, M. D.	<i>Orthopœdics</i>
CHARLES B. CAMPBELL, M. D.	<i>Dermatology</i>
GEORGE B. ROTH, M. D.	<i>Materia Medica</i>
ALBERT PERKINS TIBBETTS, M. D.	<i>Ear, Nose and Throat</i>
ALLEN S. WOLFE, D. D. S.	<i>Oral Hygiene</i>
STEWART MAXWELL GRAYSON, M. D.	<i>Surgery</i>
FRANCIS G. SPEIDEL, M. D.	<i>Anaesthesia</i>
EDWARD B. BROOCKS, M. D.	<i>Pediatrics</i>
JOSEPH HYRAM ROE, Ph. D.	<i>Chemistry</i>
WILLIAM BINFORD KING, A. B., M. D.	<i>Anatomy</i>
HARRY S. BEERTON, M. D.	<i>Occupational Diseases</i>
BIRDIE BEALL THOMPSON, R. N., G. W. U. H., 1908,	
Superintendent of Nurses and Principal of the School of Nursing	
LUCY LAMON, R. N., G. W. U. H., 1911,	
Assistant Superintendent of Nurses	
ETHEL SCHOFF, R. N., M. G. H., 1921	<i>Instructor</i>
ELFREDA LUNDIN, R. N., G. W. U. H., 1912,	
Supervisor of Obstetrical Department	
ALTA POWELL BURNS, R. N., G. W. U. H., 1923	<i>Ward Supervisor</i>
ELSIE W. AHMAY, R. N., G. W. U. H., 1919	<i>Ward Supervisor</i>
RACHEL T. LEE, R. N., G. W. U. H., 1906	<i>Night Supervisor</i>
EDNA SPRECHER, R. N., G. W. U. H., 1921	<i>Operating Room Supervisor</i>
CAROLYNE MCK. CHAPMAN, R. N.	<i>Instructor in Massage</i>
MARY PHILBRICK	<i>Instructor in Dietetics</i>

## HOSPITAL

The George Washington University Hospital is a general hospital with 110-bed capacity, non-sectarian, for white patients only, located in the central part of the city, and connected with it is a Dispensary having a large out-patient service, so that the institution affords a thorough and practical experience in medical, surgical, gynecological, obstetrical and emergency nursing and the administrative work incident to a hospital.

The Hospital Staff are all members of the Faculty of Medicine of the University Medical School, and the nurses receive the benefit arising from instruction, and the nursing of cases, under these trained teachers.

## ADVANTAGES

Nurses in training in this Institution have the unusual advantages incident to University association, are carried as students in the University and as such participate in the commencement exercises. The class-rooms and laboratory equipment of the University Medical School, which adjoins the hospital, are used by the student nurses for class work.

The city of Washington is especially attractive as a place of residence during the educational period of a young woman's life. There are more schools for young women in this city than in any other of its size in the country.

The cosmopolitan character of the city of Washington, its climate (not excessively cold in winter), its beauty and interests, which as it is the seat of the General Government, are broad and national, make it an ideal place in which to pursue an educational course.

## NURSES' HOME

The Nurses' Home, with a resident matron, is located a short distance from the Hospital, where comfortable accommodations are furnished.

## BOARD OF LADY MANAGERS

The Hospital and the School of Nursing is materially assisted by an efficient Board of Lady Managers which has worked energetically, and by personal endeavor and financial assistance has done much to improve these institutions.

## ADMISSION

Blank forms for filing application for admission to the School of Nursing will be furnished by the Superintendent of Nurses upon request.



Applicants shall not be less than 18 nor more than 30 years of age. They shall send with their application for admission certificates from their physician, oculist and dentist concerning their general health and physical condition, two letters testifying as to their character, and the names and addresses of two additional persons for reference if required.

Applicants must have attended a recognized high school for at least two years, or must have had the equivalent of such education. They must be able to write legibly and accurately from dictation, and to take notes at lectures.

Probationers when admitted to the School must provide themselves with a complete uniform outfit, as prescribed by the Superintendent of Nurses. The cost of this outfit is approximately \$32, and is payable on entrance.

Probationers are required to bring with them two laundry bags, one pair rubbers, two pairs of black oxford shoes with military rubber heels, one kimona, one napkin ring marked with name, one watch with second hand (Ingersoll Midget or equivalent is recommended). All articles of clothing must be plainly marked with name in full with indelible ink. All student nurses having bobbed hair will furnish nets and wear them while in uniform.

Jewelry is not worn on duty, and if of any value had better be left at home. If brought to the Nurses' Home it will be at owner's risk.

When probationers are accepted as pupil nurses, an equipment of scissors, hypodermic syringe, thermometer, necessary text-books, and bibs will be supplied them and charged for at cost price.

#### THE CENTRAL SCHOOL OF NURSING

During the past two years the League of Nursing Education of the District of Columbia has maintained as its chief interest the establishment of a Central School of Nursing. This school functions under a committee consisting of superintendents and instructors from the various schools of nursing in the District. There are thirteen schools of nursing in connection with the hospitals in the city of Washington. Of this number, seven send their preliminary students to the Central School for instruction.

The Central School is in affiliation with the George Washington University, and the instructors are members of the University Medical School Faculty. The lecture and laboratory rooms are provided in the Medical Building adjacent to the University Hospital. The curriculum covers the subjects of the preliminary period and the courses are in compliance with the requirements of the standard curriculum.

The students in the George Washington University School of Nursing have the advantage of the Central School of Nursing without

cost, and students who satisfactorily complete the subjects given and who otherwise meet the matriculation requirements of the University are given college unit credits for their work, as follows: Chemistry, 1 unit; bacteriology,  $1\frac{1}{2}$  units; histo-anatomy, 1 unit; pathology,  $1\frac{1}{2}$  units, making a total of 5 units of University credits for completion of the preliminary term.

#### GENERAL PROVISIONS

Approved applicants will be received on probation for a period of four months, at the end of which time those who appear to be fitted for the nursing profession will be accepted as pupil nurses and will be allowed to continue the course in training, after they have signed an agreement to abide by all the rules of the Hospital and to remain for a period of three years from the time of admission to the School.

Probationers will receive ten dollars (\$10) per month and pupil nurses twelve dollars (\$12) per month during their course of training.

Upon the satisfactory completion of the course, pupil nurses will be paid a bonus of three dollars a month for each month of service.

In addition to the monthly payment, all students in the School of Nursing receive their board and laundry free of expense, and in case of illness, medical attention and care in hospital when necessary, except that no payment will be made for time lost by illness.

When the time of illness in a single instance or in the aggregate exceeds three weeks the time so lost must be made up before a diploma can be given. When a student nurse is absent for any cause exceeding six weeks she will forfeit her position in the School but may enter the succeeding class, if approved by the Executive Committee.

Two hours are allowed week days for rest, study and recreation; also one-half day (after 1 p. m.) each week (except week in which entire day is given), one-half day on Sunday, and one entire day each month.

Student nurses will be allowed a vacation of two weeks for each year of training, including the probationary period.

Pupil nurses may be dropped at any time for inefficiency, misconduct, unsatisfactory record, or whenever in the interest of the student nurse or the School the Executive Committee of the Hospital deems it advisable to do so.

A diploma from the University will be awarded to those who satisfactorily complete the full term of three years and successfully pass their examinations.

#### STUDENT ADVISORY COUNCIL OF THE SCHOOL OF NURSING

An advisory council consisting of three pupil nurses and one probationer is established in the School.



The purpose of this council is to develop a closer cooperation between the nurses' student body, the faculty of the School and the administrative authorities of the Hospital; to aid in the enforcement of discipline and to secure strict conformity to the rules of the School; to devise ways and means for social activities; to encourage higher ideals, desire and effort for the intelligent development and general uplift of the School and the profession of nursing.

This council has full latitude in considering matters that may appear to be of importance to the School of Nursing and to the profession.

#### COURSE OF INSTRUCTION

Classes in the School begin twice yearly (January and September).

The course of training (including the probationary period) covers three years and comprises theoretical and practical instruction.

Theoretical instruction is given by the members of the Faculty of Medicine of the University Medical School, and by the Principal of the School of Nursing and a graduate nurse Instructor. Practical instruction is given by demonstrations in class-room and follow-up in the wards, conducted by the Instructor of the School of Nursing. By affiliation, pupils are given instruction in eye, ear, nose and throat work and children's diseases.

#### ORDER OF THEORETICAL AND PRACTICAL INSTRUCTION FOR STUDENT NURSES

##### *Preliminary Course*

Anatomy and Physiology	Hygiene and Sanitation
Bacteriology	History of Nursing
Chemistry	Demonstrations of Nursing
Drugs and Solutions	Procedures
Practical Nursing	Bandaging
Hospital Housekeeping	Nutrition and Cookery
Ethics	

##### *Junior Year*

Materia Medica	Medical Nursing
Surgical Diseases	Massage

##### *Intermediate Year*

Gynecology	Diet in Disease
Orthopedics	Communicable Diseases
Pathology and Urinalysis	Operating Room Technic
Obstetrics	

*Senior Year*

Public Sanitation	Skin and Venereal Diseases
Pediatrics	Special Vocational Lectures
Nervous and Mental Diseases	Emergency and First Aid
Psychology	Laboratory Technic
Special Senses and Oral Hygiene	

Dietetics includes six weeks in special cookery for the sick under the direction of a trained dietitian.

## GRADUATES

*Class 1925*

MISS DOROTHY MELVILLE ALLEN.....	California
MISS EDITH MAY BILLHEIMER.....	Virginia
MISS EMME RUTH CAMPBELL.....	North Carolina
MISS MYRTLE LEE CONRAD.....	Kentucky
MISS LOLA PEARL FEARNOW.....	West Virginia
MISS SALLIE VIRGINIA HOUGH.....	West Virginia
MISS GRACE LOUISE KING.....	Maryland
MISS MARY LOUISE LEADER.....	Pennsylvania
MISS MAE GWENDOLYN OWENS.....	Pennsylvania
MISS MARGARET PAULINE RICAMORE.....	West Virginia
MISS MARGARET ELIZABETH STOREY.....	Georgia
MISS FLORENCE WINIFRED WILLIAMS.....	Maryland



## GEORGE WASHINGTON UNIVERSITY SCHOOL OF PHARMACY

WILLIAM MATHER LEWIS, A.M., LL.D. .... *President of the University*

HENRY E. KALUSOWSKI, M.D., Phar.D.,  
*Dean of the School of Pharmacy, Professor of Pharmacy*

### OFFICERS OF THE NATIONAL COLLEGE OF PHARMACY

WILLIAM MATHER LEWIS, A.M., LL.D. .... *President of the University*

HENRY E. KALUSOWSKI, M.D., Phar.D.,  
*Dean and Chairman of the College*

LEWIS FLEMER, Phar.D. .... *Vice-Chairman of the College*

CHARLES B. CAMPBELL, Phar.D., M.D. .... *Secretary of the College*

HERBERT C. EASTERDAY, Phar.D. .... *Treasurer of the College*

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R. LUCIEN QUIGLEY	FRANK B. TIPTON
CHARLES C. READ	F. A. TSCHIFFELY
EARLE K. RICHARDSON	ROBERT A. VEITCH
FRANK R. RICHARDSON	S. M. WAGNER
WILLARD S. RICHARDSON	CHARLES S. WALTER
FRANK ASHBY ROBEY	CONRAD H. WEISS
BERT H. SMYSER	FRANK P. WELLER
SAMUEL T. STOTT	EDWARD W. WHITESIDE
AUGUSTUS C. TAYLOR	HARVEY W. WILEY (Honorary)
LEOPOLD H. FOSTER	

## PHARMACEUTICAL COURSE

<i>Subject</i>	<i>Year</i>
Pharmacy .....	First, second, third, and fourth year
Chemistry .....	First, second, third, and fourth year
English .....	One year
French } .....	Elect one.....One year
German } .....	
Spanish } .....	
Zoology .....	One year
Psychology and Logic.....	One year
Physics .....	One year
Botany .....	One year
Physiology .....	One year
Materia Medica .....	One year
Pharmacology .....	One year
Pharmacognosy .....	One year
Bacteriology .....	One year
Clinical Microscopy .....	One year
Public Health and Hygiene.....	One year
Mercantile Pharmacy .....	One year

## ACADEMIC YEAR

The *Academic Year* begins on Wednesday, September 23. It is divided into two half-years of four months each.

The term of study for the degree of Bachelor of Science in Pharmacy consists of four years of thirty-two weeks each, exclusive of



vacations and holidays. The next session, the fifty-fourth, begins September 23, 1925, and ends June 9, 1926.

Students must register promptly at the beginning of the session, in order that their time of study shall count as a full year.

The minimum requirements for admission are fifteen units of secondary school work and two years of college work made up as follows:

### SECONDARY SCHOOL UNITS

Credit may be granted for the subjects shown in the following list and for any other subjects counted by a standard accredited high school as a part of the requirements for its diploma, provided that at least eleven units must be offered in groups I-V:

<i>Subjects</i>	<i>Units* Required</i>	
Group I, English—		
Literature and composition.....	3-4	3
Group II, Foreign Languages—		
Latin .....	1-4	
Greek .....	1-3	
French or German.....	1-4	2†
Other foreign languages.....	1-4	
Group III, Mathematics—		
Elementary algebra .....	1	1
Advanced algebra .....	½-1	
Plane geometry .....	1	1
Solid geometry .....	½	
Trigonometry .....	½	
Group IV, History—		
Ancient history .....	½-1	1
Medieval and modern history.....	½-1	
English history .....	½-1	
American history .....	½-1	
Civil government .....	½-1	
Group V, Science—		
Botany .....	½-1	
Zoology .....	½-1	
Chemistry .....	1	
Physics .....	1	

\* A unit is the credit value of at least thirty-six weeks' work of four or five recitation periods per week, each period to be not less than 45 minutes. A point is a subject pursued through one-half the above time. Two points may be considered the equivalent of one unit.

† Both of the required units of foreign languages must be of the same language, but the two units may be presented in any one of the languages specified.

<i>Subjects</i>	<i>Units Required</i>
<i>Group V—Science—Continued.</i>	
Physiography .....	¼-1
Physiology .....	½-1
Astronomy .....	½
Geology .....	½-1
<i>Group VI, Miscellaneous—</i>	
Agriculture .....	1-2
Bookkeeping .....	½-1
Business law .....	½-1
Commercial geography .....	½-1
Domestic science .....	1-2
Drawing, freehand and mechanical.....	½-2
Economics and economic history.....	½-1
Manual training .....	1-2
Music: Appreciation and harmony.....	1-2

### AIM OF THE COURSE

All work offered in the School of Pharmacy meets the highest requirements of pharmaceutical instruction. Its aim is to train pharmacists so as to enable them to intelligently and efficiently perform any work that may be required from a pharmacist with scientific training. The equipment, methods of instruction and courses are arranged to attain the object of its aim, and the close association of the College of Pharmacy with the George Washington University by which students in pharmacy share all the advantages and enjoy the spirit of a great educational establishment is in itself an incentive to prepare themselves to meet the requirements of the trend of pharmaceutical education.

Instruction is given during the day.

The degree of Bachelor of Science in Pharmacy will be conferred on students who have attended the required course of instruction and pass satisfactory examinations in the same.

### CLASSIFICATION AND ADVANCEMENT OF STUDENTS

Students are divided into four classes, according to their proficiency and the time spent, viz: first year, second year, third year, and fourth year.

*Proficiency* in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

*Examinations* are held at the end of the course in each subject. Students who fail to appear at a regular examination will not be examined until the next regular examination except by special per-



mission of the Advisory Committee of the Faculty. For special examinations a fee of \$5 will be charged for each subject.

To be *advanced*, a student must not fail in more than one major or two minor subjects. It is recommended that students advanced conditioned remove their conditions in the September examinations. Students advanced conditioned must remove all such conditions before they can be again advanced.

Students who fail in more than one major or two minor subjects, will not be given re-examinations in the September examinations except by special permission of the Advisory Committee of the Faculty.

Students who fail of graduation because of deficiency in but one major or two minors, if approved by the Advisory Committee of the Faculty, may be re-examined in the September examinations for graduation. Students who are allowed this privilege will be required to take such examinations as the Advisory Committee may direct.

Students who fail of advancement or graduation will be required to repeat a year, taking such subjects as may be directed by the Advisory Committee of the Faculty.

Students who fail of advancement after repeating any one of the first three years or who fail of graduation after repeating the final year, will not be permitted to maintain their connection with the school.

#### REQUIREMENTS FOR GRADUATION

Every candidate for the degree of Bachelor of Science in Pharmacy must be at least twenty-one years of age and of reputable character. He must have complied with the admission and other requirements herein set forth. He must have attended at least 80 per cent of all required instruction during four sessions of thirty-two weeks each in four separate years; must have satisfactorily completed all his courses and passed all his examinations. He must be present at the time specified for the final examinations, and also at Commencement. The degree is not conferred in the absence of a candidate except by special consent of the President's Council. Graduates of other accredited colleges who desire the degree of Bachelor of Science in Pharmacy must spend one year in residence at this school.

Candidates who in their work and examinations attain general averages of 90 or more will be presented to the Faculty for consideration with reference to being designated as "having graduated with distinction." If in the opinion of the Faculty such candidates have shown themselves to be possessed of more than ordinary merit, they will have inscribed upon their diplomas beneath their degree the words "with distinction."

### MEMBER OF AMERICAN CONFERENCE OF PHARMACEUTICAL FACULTIES

The School of Pharmacy holds membership in the American Conference of Pharmaceutical Faculties. The object of the conference is to promote the interests of pharmaceutical education in all institutions holding membership in the same and to maintain standard requirements for entrance and graduation.

### METHOD OF TEACHING

The method of teaching in use, namely, the laboratory method, is admittedly the best method of instruction. Besides lectures and recitations, the subjects themselves are studied, books being used as an aid and not as an end in themselves. The faculty is composed of men who are specialists in their respective lines and consequently are enabled to give the student the benefit of their experience.

### RECITATION CLASSES

Recitation classes are held in connection with each course in order to provide systematic drill in the subjects under competent instructors. These classes have been found to be one of the most effective auxiliaries to study, as part of a well-planned system of reviewing the subjects taught. They are intended to give the student an additional opportunity for testing his progress throughout the year, and for fixing firmly in mind the facts acquired from the lectures and laboratory work. Students in Pharmacy have the advantage of instruction in all departments of the University: Arts and Sciences, the Medical School and the School of Pharmacy.

### TENTATIVE SCHEDULE OF CLASSES

#### FRESHMAN YEAR

Monday and Wednesday	
Pharmacy .....	9:00 to 1:00
Tuesday, Thursday and Saturday	
Botany .....	9:15 to 10:15
English .....	10:15 to 11:15
Chemistry .....	12:00 to 1:00
Tuesday and Thursday	
Commercial Law .....	11:15 to 12:15
Chemistry 2 .....	1:15 to 4:15
Monday, Wednesday and Friday	
Physics 3A .....	1:45 to 2:45



## SOPHOMORE YEAR

Tuesday and Thursday	
Pharmacy .....	9:00 to 12:00
Monday, Wednesday and Friday	
Languages .....	9:15 to 10:15
Psychology } .....	10:15 to 11:15
Logic } .....	
Tuesday and Thursday	
Physics 4 .....	10:15 to 12:15
Chemistry 7 .....	1:15 to 4:15
Thursday, Friday and Saturday	
Physiology .....	1:00 to 2:00
Monday and Wednesday	
Hygiene .....	1:00 to 2:00

## JUNIOR YEAR

Monday	
Pharmacy .....	1:00 to 6:00
Monday, Tuesday, Wednesday and Thursday	
Bacteriology .....	9:00 to 12:00
Monday, Wednesday and Friday	
Chemistry 21 .....	1:00 to 5:00
Tuesday and Thursday	
Chemistry 8 .....	1:15 to 4:15
Saturday	
Clinical Microscopy .....	9:00 to 12:00

## SENIOR YEAR

*First Semester—*

Monday	
Pharmacy .....	1:00 to 6:00
Friday and Saturday	
Pharmacology and Materia Medica.....	9:00 to 12:00

*Second Semester—*

Monday	
Pharmacy .....	1:00 to 6:00
Tuesday and Thursday	
Pharmacology and Materia Medica.....	2:00 to 5:00
Friday and Saturday	
Pharmacology and Materia Medica.....	9:00 to 12:00
Pharmacognosy hours to be arranged with instructor.	

## DESCRIPTION OF COURSES

## PHARMACY

HENRY E. KALUSOWSKI, M.D., Phar.D.

*Dean of the School of Pharmacy, Professor of Pharmacy*

## FRESHMAN YEAR

In the course in the theory and practice of pharmacy the aim is to teach the underlying principles and rationals of the operations of manufacturing pharmacy. The course is essentially one of pharmaceutical physics, in which the applications of general physical laws to pharmacy are pointed out, and the methods in general use are described. The various operations of manufacturing are described and illustrated by models, diagrams, apparatus, etc., and instruction is given in the reasons for the operations and for the methods employed.

A history of the leading Pharmacopœias of the world, and particularly of the U. S. Pharmacopœia, serves as an introduction to the synthetic study of the latter, in which are considered its legal status, character, purpose, and contents.

The following outline shows the general character of the course:

A consideration of weights and measures, the various systems in use and their relations to each other, the construction, choice, and care of a balance, instruments of measure, and methods of testing and verifying them, specific gravity and its use, and specific volume.

Heat, its nature, source, and properties, methods of regulating and controlling it for various purposes; the construction and use of steam apparatus, baths, etc.; the various forms of thermometers, and their care and relationships to each other.

Evaporation and distillation, with full method and demonstration of the various methods of conducting these operations and the choice of apparatus therefor.

Drug grinding and milling, the selection and use of mortars, and sundry methods of powdering and sifting the different kinds of drugs and chemicals.

Solutions, its laws and phenomena accompanying it, the methods of making and adjusting solutions, and the influence of solution in compounding and manufacturing.

Crystallization, the properties of crystalline substances, their storage, changeableness, and methods of restoration.

Filtration and the methods of clarifying or decolorizing liquids, the use of funnels and filtering agents, the separation of sediments and immisable liquids, and the various apparatuses for filtration.

Maceration and its applications, and economical methods of conducting it.



Percolation, its history, development and applications, various forms of percolators and their choice, repercolation, and fractional percolation.

The student is brought in contact with a wide range of manipulations, such as the making of medicated waters, syrups, solution, tinctures, extracts, fluid extracts, infusions, and decoctions, and the handling of weights and measures.

#### SOPHOMORE YEAR

The sophomore course is designed to fit the student for quick and accurate judgment regarding incompatibilities and working out pharmaceutical formulas. The pharmacopœia is studied in detail, the drugs, chemicals and preparations being grouped according to characteristics, non-official bodies of like nature being included. Attention is paid to commercial qualities, solubilities, preparation, preservation, storage, and uses of each article.

The laboratory work gives practice on the more difficult operations of manufacturing pharmacy.

Sterilization of solutions, filling and sealing of ampules and the manufacture of compressed tablets are also included in the course.

A great part of the time in the laboratory is devoted to the compounding of typical prescriptions, of which a large number are used for illustrating the methods of overcoming incompatibilities and of making the most presentable and effective compounds. The work has been arranged to meet the wants of young students without store experience, and also for those who have been so situated that the experience has been limited.

#### JUNIOR YEAR

This course consists of lectures and recitations on the theory of organic chemistry and its pharmaceutical applications, and laboratory work on the qualitative analysis of organic substances, including the examination of official compounds and preparations for identity and purity, the assay of volatile oils, the separation and identification of the important alkaloids, and a variety of other exercises.

#### SENIOR YEAR

This course consisting of didactic lecture and analytic methods for saponification values, iodine numbers, melting points, congealing points, quantitative assaying of drugs for alkaloids, assaying volatile oils.

The assays made in this course are on the more important drugs and preparation.

The course not only gives direct and varied training in quantitative analysis of pharmaceutical preparations, but also, by its requirement

of close attention to details and by its practice on the manipulation of the delicate apparatus, it induces correct habit of work, which are invaluable in manufacturing and dispensing pharmacy.

### PHARMACOGNOSY

ROBERT F. GRIGGS, Ph.D.

*Professor of Botany*

The preliminary work of this course will consist of a brief review of the cellular elements and cell structure in the parts of the plants used as drugs or foods. In this manner the work in vegetable histology of the first year is coordinated to the more detailed study of microscopical pharmacognosy.

Drugs and powders prepared from them representing different parts of the plants will be used as material for study.

The number of specimens studied is necessarily limited by the amount of time which can be given to the work, but the subject matter of the course is so arranged that the representative rather than extraordinary types are considered. The student is expected to construct keys in the identification of powdered materials examined, and to keep a record of his observations by drawings made from his specimens.

The first few lectures are necessarily limited to the consideration of the general principles of the science after which the pathogenic micro-organisms are discussed in a systematic sequence, with the theories of immunity treated of in appropriate places.

In the laboratory portion of the course which occupies about three-quarters of the total time devoted to the subject the students first prepare all the standard culture media and learn the general principles of bacteriologic technic from the study of about a dozen typical, widely different non-pathogenic organisms. Subsequently thirty-five to forty pathogenic bacteria are carefully examined by microscopic, cultural and serologic methods. The students prepare as far as practicable such special media as are needed for this latter work. In addition to this systematic examination of characteristic organisms the students test the efficiency of the commonly employed germicides, prepare the vaccine, and in groups prepare agglutinating hemolytic and other immune serums and use these as commonly employed in diagnosis. In connection with the preparation of culture media the principles of sterilization are covered. In the microscopic examination of bacteria the students are trained in the use of the high powers of the microscope, in the use of the dark ground illumination, and are taught to make microscopic measurements.

The following subjects are offered by the Department of Arts and Sciences.



## CHEMISTRY

*General Chemistry:* This course consists of illustrated lectures on the elements and practical laboratory work supplementing the lectures. The lectures include the fundamental principles of chemistry, definitions of elements, atoms, molecules, acids, salts, explanations of the ionic theory, chemical and physical laws. Every student who pays proper attention will obtain a solid foundation of knowledge which will enable him to understand the more advanced work of chemistry.

The elements studied include: Oxygen, hydrogen, nitrogen, chlorine, bromine, iodine, fluorine, sulphur, phosphorus, carbon, silicon, boron, lithium, barium, strontium, calcium, magnesium, aluminum, zinc, cadmium, lead, copper, mercury, iron, cobalt, nickel, manganese, chromium, tin, bismuth, gold, silver, and platinum.

The study of the element is followed by the consideration of its compounds.

Problems in chemistry are suggested for solution by the students, and much practice is required on the writing of chemical equations.

The student may thus lay the foundation of a practical knowledge of chemistry, which, when increased by the work of following years of the course, will prepare him for active work with pharmaceutical processes based on chemical principles.

Several elements and a large number of compounds are prepared in the laboratory and many experiments illustrating the properties of both elements and compounds are performed.

This laboratory practice is of special importance since it gives the student an opportunity to perform a large number of chemical experiments having a direct bearing on the lectures.

By these investigations of chemical phenomena the student has an opportunity to develop self-reliance and acquire accurate habits of observation.

The laboratory work is intended to teach the student to observe and to distinguish essential from non-essential phenomena.

*Qualitative Analysis:* A brief course intended primarily for students in engineering and pharmacy. Two three-hour periods.

*Elementary Organic Chemistry:* A lecture and laboratory course including both the aliphatic and aromatic series of compounds. Two lectures and three hours laboratory work per week.

*Quantitative Analysis:* A laboratory course in the quantitative estimation of the constituents of the specially selected and typical set of chemical substances, which are particularly adapted for teaching the student the aims and methods of quantitative chemical analysis and for imparting facility in manipulation. This course includes the care of the analytical balance, metric weights, and measures, the preparation

and use of normal and empirical solutions, the calculation of results from analytical data. Four three-hour periods.

*Foreign Languages:* Instruction is offered in the following modern languages: French, Spanish and German.

*English:* English Rhetoric. A study of the principles of self-expression through language with practice in composition.

*Physics:* General Physics. A recitation and lecture course, embracing the fundamental principles of mechanics, sound, heat, light, and electricity. The lectures are illustrated by experimental demonstrations.

*Laboratory Physics:* Laboratory methods, and experimental study of physical laws and apparatus, and of the use of the simpler instruments of precision measurements.

*Botany:* This course aims to present in an orderly fashion such a knowledge of the vegetable kingdom as everyone needs to enable him to understand plants, their mode of life and the uses to which they are put. A study of the living plant as a working mechanism is followed by a brief survey of the different kinds of plants and practice in naming the common plants. The bearing of Botany on materia medica is made prominent by introducing lists of official flowers, seeds, etc., in their appropriate places, and by directing particular attention to such points of plant structure and function as are necessary for a proper understanding of drugs.

*Commercial Law:* A study of the principles of the law relating to commercial transactions, especially contracts, sales, bailments, agency, partnership, negotiable instruments, and common carriers, with some study of admiralty law.

*Zoology:* A lecture and laboratory course covering the invertebrates, and vertebrates, cell and cell theory, unicellular organisms, cell multiplication, multicellular animals, the difference between animals and plants, mechanics of the living machine, theory of evolution, etc., classification and distribution.

*Psychology:* 1. General Psychology: An introductory study of general psychology carried on by means of text-book assignments, classroom discussions, lectures, and demonstrations.

2. Logic: A study of the thinking process, the principles of deductive and inductive inference, and the nature, structure and organization of knowledge.

The following courses are given in the Medical School:

#### HYGIENE

The course in hygiene covers the basic principles and their practical application. Consideration is given also to domestic and municipal sanitation and to the principles underlying legislative control of public health.



### PHYSIOLOGY

The course in physiology is given in the physiological department in the Medical School and consists of lectures, quizzes and demonstrations of physiological principles on living animals. A written and oral examination is held at the end of each term. The principles of special importance to the pharmacist are emphasized. The course embraces the following subjects: Circulation, respiration, digestion, absorption, metabolism, animal heat, muscle, nerve, central nervous system, senses, reproduction.

### MATERIA MEDICA

In these lectures the official names, synonyms, origin, history, habitat, constituents, actions, uses and doses of drugs, and official preparations, and the medical actions of these will be noted, so far as is necessary for an intelligent conception of these subjects. Incidentally much valuable information will be given upon the subject of geographical materia medica. Special attention will be devoted to the toxicological symptoms and antidotal treatment of the actively poisonous drugs.

### PHARMACOLOGY

The work in this course occupies nine hours a week during the first trimester. The chemical and physical characteristics of the more important drugs are studied and then pharmacopœial preparations of the different pharmaceutical classes are considered. The study of the physical and chemical incompatibilities is carried on in close association with the above work. The course comprises lectures, laboratory work, conferences and written reviews, which follows the work, and continues through the remainder of the year.

### CLINICAL MICROSCOPY

In the course in clinical microscopy the student is trained in the counting of the red and the white blood cells, in the various methods of hemoglobin estimation, in different leucocyte counting, in the study of malarial parasites, and such other parasites of the blood as opportunity affords, in the estimation of the coagulation time of the blood, etc., in the microscopic study of the sediments in normal and pathologic urines, in the microscopic examination of stomach contents, of the feces, including a detailed study of animal parasites and their eggs, in the microscopic examination of sputum, of spinal fluids, pleural exudates, etc., as material and opportunities afford. The significance and value of these findings as applied to pathology and diagnosis are considered.

## BACTERIOLOGY

The didactic portion of the course in Bacteriology consists of a series of about thirty formal lectures in which the entire field of bacteriology, including immunology in its application to human medicine and welfare, is considered. The first few lectures are necessarily limited to the consideration of the general principles of the science after which the pathogenic microorganisms are discussed in a systematic sequence, with the theories of immunity treated of in appropriate places.

In the laboratory portion of the course which occupies about three-quarters of the total time devoted to the subject the students first prepare all the standard culture media and learn the general principles of bacteriologic technic from the study of about a dozen typical, widely different non-pathogenic organisms. Subsequently thirty-five to forty pathogenic bacteria are carefully examined by microscopic, cultural and serologic methods. The students prepare as far as practicable such special media as are needed for this latter work. In addition to this systematic examination of characteristic organisms the students test the efficiency of the commonly employed germicides, prepare the vaccine, and in groups prepare agglutinating hemolytic and other immune serums and use these as commonly employed in diagnosis. In connection with the preparation of culture media the principles of sterilization are covered. In the microscopic examination of bacteria the students are trained in the use of the high powers of the microscope, in the use of the dark ground illumination, and are taught to make microscopic measurements.

## TEXTBOOKS

The following textbooks are used in the course in Pharmacy: U. S. Pharmacopœia; Practice of Pharmacy, Remington; Treatise on Pharmacy, Caspary.

## STUDENT ACTIVITIES

Student activities in the University are carried on under the direction of a Faculty Committee, acting under resolutions adopted by the Board of Trustees. Student Activities, including athletics, debating, and the various student publications, are supported by a fee paid by all students in the University. This fee not only admits the subscriber to athletic contests and entitles him to copies of the publications, but also provides for free medical attention and hospital service under certain conditions. This fee is payable like other University fees, at the office of the Treasurer of the University.

## FEES AND CONTINGENT EXPENSES

Registration fee, payable on entrance.....	\$5
Registration fee, each subsequent year.....	2



Reinstatement fee .....	\$ 2
Tuition, each year.....	210
Graduation fee .....	11
Student activities fee.....	8
Material fee and breakage for Chemistry.....	10
Material fee for Physics.....	10
Materials and Microscope for Zoology.....	10
Materials and breakage for Pharmacy.....	10

This includes all laboratory fees and charges for material used in Chemistry and practical Pharmacy. Students will, however, be required to pay all charges for injury to microscopes, apparatus, and other college property.

All breakage and loss not directly traceable to the individual student is assessed pro rata; any unforfeited balance will be returned to the student at the expiration of the course.

Persons not candidates for the degree of Bachelor of Science in Pharmacy who take courses in Bacteriology or Clinical Microscopy will be charged a fee of \$6 for the use of the microscope in each of these courses. Should such a student take more than one of the courses mentioned, in any one school year, he will be charged a single fee of \$6 for microscope rental.

Students who elect to take the regular four-year course in five years will be required to pay the full tuition for the first four years and will receive the fifth year without additional charge.

Persons are allowed to register as auditors for the tuition fees without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance.

*The tuition fee stated above applies to students entering the School of Pharmacy in 1925-26. Students in residence during the session of 1924-25 will be charged tuition fees in accordance with statements in the catalogue of 1924-25.*

No registration will be accepted for less than a full half-year, and no change in the courses undertaken at the time of registration will be made unless approved by the Dean. Registration in the Pharmacy School is for a period not to exceed one year at a time and acceptance by the School of a student's registration fee does not in any way obligate the School to accept that student for any subsequent year.

Registration, other fees and deposits are due in full advance. Tuition may be paid in eight monthly installments in advance. Students who are unable to pay their fees monthly in advance will be required to file an acceptable personal or corporate bond of \$200 as security for future payment. In every instance all indebtedness must be discharged on or before May 1 of the current school year. All fees are payable at the office of the Treasurer.

## WITHDRAWALS

*Withdrawals will be granted only on recommendation of the Dean and the approval of the President.*

A certificate of work actually done will be given to any student granted a withdrawal or a transfer to another school during the session. A written request for withdrawal or transfer must be filed with the Dean and no permission to withdraw or transfer, and no certificate of work done will be given a student unless all fees and dues chargeable against him up to the end of the month in which he withdraws have been paid.

## BOARD AND ROOMS

A register of boarding houses is kept by the Treasurer. Accommodations cost from \$30 to \$50 a month.

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For catalogues, application blanks, and further information, address

THE DEAN,

*School of Pharmacy,*

*George Washington University,*

*808 Eye Street N. W., Washington, D. C.*



## LAW SCHOOL

### FACULTY

WILLIAM MATHER LEWIS, A.M., LL.D.	<i>President of the University</i>
WILLIAM CABELL VAN VLECK, A.B., LL.B., S.J.D.,	<i>Dean and Professor of Law</i>
WALTER COLLINS CLEPHANE, LL.M.	<i>Professor of Law</i>
EDWIN CHARLES BRANDENBURG, LL.M.	<i>Professor of Law</i>
JOHN PAUL EARNEST, A.M., LL.M.	<i>Professor of Law</i>
JOHN WILMER LATIMER, LL.B.	<i>Professor of Law</i>
WENDELL PHILLIPS STAFFORD, A.M., LL.D., Litt.D.	<i>Professor of Law</i>
CHARLES SAGER COLLIER, A.B., LL.B.	<i>Professor of Law</i>
HECTOR GALLOWAY SPAULDING, A.B., LL.B., S.J.D.	<i>Professor of Law</i>
HENRY WHITE EDGERTON, A.B., LL.B.	<i>Professor of Law</i>
*CLARENCE MILTON UPDEGRAFF, A.B., LL.B.	<i>Professor of Law</i>
ALVIN ELEAZAR EVANS, Ph.D., J.D.	<i>Professor of Law</i>
EARL CASPAR ARNOLD, A.B., LL.B.	<i>Professor of Law</i>
WALTER LEWIS MOLL, A.B., LL.B., S.J.D.	<i>Professor of Law</i>
LOYD HALL SUTTON, S.B., LL.B.	<i>Associate Professor of Law</i>
JOHN MONTEITH MCFALL, A.M., LL.B.	<i>Assistant Professor of Law</i>
LEVI RUSSELL ALDEN, A.M., LL.B.	<i>Lecturer in Law</i>
GILBERT LEWIS HALL, A.B., LL.B.	<i>Lecturer in Law</i>
SPENCER GORDON, A.B., LL.B.	<i>Lecturer in Law</i>
JOHN WILLIAM TOWNSEND, LL.B., LL.M.	<i>Lecturer in Law</i>
EDWARD AVERY HARRIMAN, A.B., LL.B.	<i>Lecturer in Law</i>
CLARENCE A. MILLER, LL.B., LL.M.	<i>Lecturer in Law</i>
JOSEPH ABNER JORDAN, LL.B., LL.M.	<i>Secretary and Lecturer in Law</i>
FRED NASH OLIVER, A.B., LL.B.	<i>Lecturer in Law</i>
WILLIAM WARFIELD ROSS, LL.B.	<i>Lecturer in Law</i>
FRED C. O'CONNELL, LL.M.	<i>Clerk of the Moot Court</i>

### MOOT COURT OF APPEALS

STANTON JUDKINS PEELLE, LL.B.	<i>Chief Justice</i>
JAMES FRANCIS SMITH, A.M.	<i>Associate Justice</i>
BRAINARD WARNER PARKER, LL.B.	<i>Associate Justice</i>

### LIBRARY

ERNEST H. OLIVER	<i>Librarian</i>
HELEN C. NEWMAN	<i>Assistant Librarian</i>

\* On leave of absence, 1924-25.

## GENERAL STATEMENT

*History.*—The Law School, established in 1865, is the oldest in the District of Columbia. Its course of instruction for the degree of Bachelor of Laws, originally requiring two years, was increased in 1898 to three years. A year of graduate work was added in 1877 leading to the degree of Master of Laws. The curriculum was later increased by a course of study leading to the degree of Master of Patent Law. In 1923, in compliance with the requirements of the American Bar Association and of the Association of American Law Schools, the late afternoon course for employed students was increased to four years. On and after September 1, 1925, two years of college work will be required for admission to regular standing.

*Member of the Association of American Law Schools.*—The Law School is a member of the Association of American Law Schools, an association of sixty-one law schools, including the leading schools of the country, such as Harvard, Yale, Columbia, Pennsylvania, Michigan and Chicago. Members must maintain prescribed standards of entrance requirements, faculty, library, and course of study. Usually member schools give a maximum of credit to one another's work. This becomes important if students find it necessary to leave Washington and finish their course elsewhere. The Law School is the only law school in the District of Columbia providing classes in the late afternoon for employed students which has membership in the Association of American Law Schools. It is also the only law school in the District admitting women on the same terms as men which is a member of this association.

*Approved by the American Bar Association.*—The American Bar Association has, through its Council on Legal Education, undertaken the classification of law schools. In respect to its faculty, library, and curriculum, the George Washington University Law School already complies with the requirements of a class "A" school, and the council has so decided. The school, however, does not until September, 1925, require two years of college work for admission. It is therefore in the meantime rated by the council as class "B"—that is, one of the schools which has announced its intention of complying by 1926. After September 1, 1925, George Washington University will have complied with all the standards set by the American Bar Association, and will be entitled to be rated in class "A."

*Scope of the Course.*—The Law School is not a local school. Among last year's student body were representatives of forty-seven states. The school does not aim to give special training in the local law of any jurisdiction. It gives a general course planned to prepare its graduates for the practice of law in any English-speaking country.



While no special instruction is given for any bar examination, the training is so thorough and the caliber of the students so high that the success of the graduates at bar examinations has been most gratifying. Many graduates take the examination for admission to the bar of the District of Columbia. Information obtained last year through the courtesy of the Board of Bar Examiners showed that, while during a period of ten years, from 1914 to 1923, nearly half of all applicants at these examinations failed to pass, 87 per cent of the graduates of this Law School who took these examinations passed the first time.

*Method of Instruction.*—The method of instruction followed is designed to provide training in legal analysis and legal reasoning, and to give a thorough grasp of fundamental legal principles. The student studies leading cases—the earlier cases which establish a principle, the later cases which show its qualifications. This study is supplemented by class-room discussion and instruction. Thus while the student is being trained to analyze and to discriminate, he at the same time masters the principles of law, sees the reasons on which they are based, and observes the influence on their development of successive political, economic, and social theories. This method is most practical. The student deals with actual problems and their solution by the ablest judges of England and America. He thus begins under his teacher's guidance work of a kind which he must do when he enters practice.

This inductive case system is the antithesis of the lecture and illustrative case method which is often mistaken for it. The case method is now used in over 90 per cent of the schools in the Association of American Law Schools.

*The Faculty.*—The major part of the course is made up of subjects dealing with the fundamental theories of substantive law as distinct from the principles of practice. Most of these subjects are taught by professors who devote their entire time to the work of the Law School. They have offices in the law building and students have abundant opportunity to consult with them. The practice courses are taught by professors who are at the same time engaged in active practice.

This combination of a full-time and a part-time faculty has, it is thought, several advantages. It gives the school the advantage of the full energy and uninterrupted working time of legal scholars trained for teaching and research, and gives the students opportunity for personal contact and conference. At the same time the school is brought into contact with the bar and with the actual administration of justice. This system has worked well at George Washington University Law School.

*The Student Body.*—Maturity, earnestness of purpose, and good preliminary training are significant characteristics of the student body. Of the entire registration of candidates for degrees this year, 1924-25, more than a third are college graduates. Beginning September 1, 1925, all applicants for regular standing will be required to have completed at least two years of college work. Many of these mature, well-trained men and women are paying their own way. They make the most of their time in the class-room and out. The presence of such students gives to the classes a morale which is equalled in few law schools.

#### ADVANTAGES OF WASHINGTON FOR THE STUDY OF LAW

The city of Washington has unusual attractions for students and particularly for students of law. It lies between the North and the South. It is a residential city of rare beauty, and its population is drawn from all over the United States. The library facilities of the city, both general and legal, are unexcelled, including the Library of Congress, the largest library in the United States and the third largest in the world. It is unique in the extent of its legal machinery. It is the seat of Congress, the Supreme Court of the United States, the Department of Justice, the United States Court of Claims, the United States Court of Customs Appeals, and of the District of Columbia Court of Appeals, Supreme Court, and Municipal Court. The various Executive Departments with their legal bureaus, the Federal Trade Commission, the Interstate Commerce Commission, and the Internal Revenue Bureau are also located in Washington.

#### THE LAW BUILDING

A new building for the Law School is now under construction. It has been named Stockton Hall in honor of the late Rear Admiral Charles H. Stockton, president of the University from 1910 to 1918. It is the second unit of the new University quadrangle.

This new building is on Twentieth Street between G and H Streets and within easy walking distance of most of the Government offices and places of interest with which Washington is crowded. It is specially designed for the Law School, containing ten classrooms with a total maximum capacity of 1,300 students, a library with accommodation for over 40,000 volumes, ten offices for professors, and rest rooms for men and women students. Until the new building is ready for occupancy, the Law School will continue to occupy its present building at 1435 K Street. This building, which was formerly occupied by the Department of Justice, was purchased by the University in 1920 and remodeled to fit the needs of the Law School.



## LIBRARY

The Law School library, comprising more than 10,000 volumes, is open daily from 9 a. m. to 11 p. m. and from 2 to 6 p. m. on Sundays. It contains the decisions of the highest courts of all the States and the District of Columbia, the reports of the United States Supreme Court and other federal courts, the English Reprints, English Law Reports, the United States Statutes, the Statutes of certain States, the English Statutes, the principal English and American digests, legal encyclopedias and collections of annotated cases, and the leading text books and legal periodicals.

Students have access to the Congressional Library, including a law library of one hundred and fifty thousand volumes, and other public libraries.

## ACADEMIC YEAR AND REGISTRATION

The academic year 1925-26 begins Wednesday, September 23, and closes Wednesday, June 9. The year is divided into two half years, the second beginning February 1. The course is so arranged that a student may enter at the beginning of the second half-year and be graduated three years from that time, receiving his degree at the Winter Convocation held on or about February 22 of each year.

Students are urged to register at the beginning of the half-year. Those who register later than three weeks after the opening of the half-year will be restricted to registration for such work as in the opinion of the faculty they can successfully carry.

## ADMISSION

Men and women are admitted to the Law School on the same terms.

I. *For the Degree of Bachelor of Laws.*—The requirements for admission to the course leading to the degree of Bachelor of Laws may be satisfied:

(a) Until September 1, 1925, by the presentation of a certificate from an accredited college or university showing the completion therein of not less than one full year of work.

(b) After September 1, 1925, by the presentation of a certificate from an accredited college or university showing the completion therein of not less than two full years of work, sixty semester credits.

The college work required for admission may be completed in the Department of Arts and Sciences of George Washington University. Classes in pre-legal subjects are given in this department in the forenoon and early afternoon for full-time students, and also in the late afternoon at hours convenient for employed students. Pre-legal work may also be taken in the summer session of this department. Appli-

cants should communicate with the Registrar of the Department of Arts and Sciences, 2033 G Street Northwest, or with the Secretary of the Law School.

The following pre-legal course is suggested:

Freshman Year		Semester Hours
English 1 or 2.....		6
Mathematics or Natural Science.....		6
History .....		6
Political Science 1 and 3 or 2 and 4.....		6
Modern Language .....		6
		—
		30
Sophomore Year		
English History .....		6
Economics 1 or 2.....		6
Logic and Ethics.....		6
Modern Language .....		6
Elective .....		6
		—
		30

II. *For the Degree of Master of Laws or Master of Patent Law.*—Candidates for these degrees must be at least twenty-one years of age and hold the degree of Bachelor of Laws from an institution substantially complying with the requirements of the Association of American Law Schools.

III. *As Special Students.*—Persons who cannot qualify as candidates for a degree but are over twenty-one years of age and have had such educational training and practical experience as should enable them to pursue satisfactorily the study of law, may be admitted as special students by consent of the Dean.

The number of such special students admitted each year may not exceed 10 per cent of the average number of students entering the school for the first time during the two years preceding.

IV. *As Unclassified Students.*—Persons who are eligible to be admitted to regular standing but who do not wish to register for a degree may, in the discretion of the Dean, be permitted to register for special courses as unclassified students.

V. *With Advanced Standing.*—Students from other law schools which substantially comply with the requirements of the Association of American Law Schools may receive not exceeding two years' credit toward the degree of Bachelor of Laws for work done in such schools. Such students must have been qualified to enter this school when they



began the study of law. The right is reserved to refuse such credit, in whole or part, or to allow it conditionally or after examination, and credit given may be withdrawn for subsequent poor work.

No credit will be given for law studies pursued in a college or high school before entering on the regular study of law, or for law studies pursued in a law office or through a correspondence course.

### HOURS OF INSTRUCTION

The hours of instruction are 7:50-8:40 a. m., 9 a. m.-12 and 5:10-6:55 p. m. A complete course for the LL.B. degree is given in the classes from 9 a. m. to 12. These classes are primarily for students devoting substantially their entire working time to the study of law. Students in these forenoon classes may complete the course for the LL.B. degree in three years. Employed students may complete the full course for the degree by attending the late afternoon classes from 5:10 to 6:55 p. m., or by attending partly from 7:50-8:40 a. m. and partly from 5:10-6:55 p. m. The period of attendance for such students is four years. Subjects offered from 7:50-8:40 a. m. are elective courses open to second and third year students.

A student who takes a majority of his course in the forenoon section may, with the permission of the Dean, take work not exceeding fifteen hours a week. A student who takes a majority of his courses in the afternoon section, or in classes held before 9 a. m., is not permitted to register for more than ten hours of work.

### DEGREES

1. *Bachelor of Laws*.—The requirements for the degree of Bachelor of Laws are attendance for three academic years in the case of full-time students and for four academic years in the case of part-time students, and the passing of examinations with an average grade of at least "C" in required and elective subjects aggregating eighty semester hours. A semester hour is an hour a week of class work for one semester. Not more than sixteen semester hours with a grade of "D," conditional pass, may be counted toward this degree. This sixteen-hour rule, however, does not apply to students who entered the Law School before January 1, 1925.

The degree of Bachelor of Laws with distinction will be awarded students who attain an average grade of "A" in all subjects counted toward that degree.

2. *Master of Laws*.—The requirement for the degree of Master of Laws is the completion of at least twenty semester hours in subjects not counted toward the degree of Bachelor of Laws, with a grade of at least "C" in each subject, and an average grade of at least "B"

in all subjects. This degree will not be conferred until one academic year after the receipt of the Bachelor's degree.

Trusts, Conflict of Laws and Constitutional Law must be included in the course for the degree of Master of Laws if not taken in the course for the degree of Bachelor of Laws. In the case of students registering for this degree after June 1, 1925, Roman Law and the Principles of the Civil Law will also be required.

3. *Master of Patent Law*.—Students who have qualified for the degree of Master of Laws may elect instead the degree of Master of Patent Law, provided they have included in their course the Patent Law subjects and Federal Procedure. This degree will not be conferred until one academic year after receipt of the degree of Bachelor of Laws.

Candidates for degrees who have been absent from school for two successive years may reenter and continue the course only on such terms as the faculty may prescribe at the time of reentering.

The right is reserved to refuse to confer a degree upon a candidate whose attendance and conduct have been unsatisfactory to the faculty.

#### COMBINED SIX-YEAR COURSE FOR THE DEGREES OF BACHELOR OF ARTS AND BACHELOR OF LAWS

The University permits one year of professional work in the Law School to be counted toward an academic degree. The degree of Bachelor of Arts will be conferred upon the completion of three years of college work (ninety semester hours, eighteen semester hours of which must be completed in the Department of Arts and Sciences of George Washington University, including one of the six groups of subjects there prescribed), and twenty-eight semester hours in the Law School; the degree of Bachelor of Laws upon the completion of the remainder of the work for that degree.

#### ATTENDANCE, EXAMINATIONS, GRADES, AND REQUIRE- MENTS FOR REMAINING IN THE SCHOOL

*Attendance*.—No student, except by special permission of the Dean, will be allowed to take an examination in any subject unless he has been regularly registered and in regular attendance and has done all the work required in the course in that subject. A student who is absent over 10 per cent of the class hours in any subject will be denied credit unless his absences are excused by the Dean.

*Examinations*.—Written examinations are held at the close of the first half-year in subjects which are then completed and at the close of the year in all other subjects. All students are required to take the regular examinations in the subjects pursued, unless excused by the Dean. A student who, with the consent of the Dean, does not



take the final examination in a subject with the class in which he is enrolled, may take the next regular examination given in the subject.

No special examinations will be given after May 1, 1925 (except under existing rules as to subjects, the final examinations in which were given in January, 1925); provided, that upon written application to the Scholarship Committee, showing sufficient cause, a candidate for a degree at a convocation before the next regular examination, if he would be entitled to take that examination, may, in the discretion of the committee, be given a special examination not less than sixty days after the one which he failed to take or to pass.

No examinations for the removal of conditions will be given for any regular examination taken after May 1, 1925.

A student who receives a conditional or passing grade in any subject will not be permitted to take any subsequent examination in that subject without repeating the subject. A student who receives a grade of E in a single subject only, if he has a general average of C for the year, may take the next regular examination in that subject and if, on such reexamination, he attains the grade of C, he shall be credited with a grade of D (60) in the subject.

*Grades.*—At all examinations the grades of students are indicated as follows: A—excellent, 85-100; B—good, 75-84; C—pass, 65-74; D—conditional pass, 55-64; E—failure, below 55.

At the end of each academic year each student receives a percentage grade showing his general average for the year.

Not more than sixteen semester hours with a grade of D may be counted toward the degree of Bachelor of Laws. This rule will not apply to students who entered the school prior to January 1, 1925.

An average of C in eighty hours of work will be required of all candidates for the degree of Bachelor of Laws.

*Requirements for Remaining in the School.*—Unless a student in each academic year receives a grade above E in at least three-fourths of the semester hours in which he is registered (unless he is excused by the Dean from taking the examination) and obtains an average grade of C, he will be denied registration in the future; provided that upon written application to the Scholarship Committee, showing sufficient cause, a student may be reinstated on such conditions as the committee may impose.

The Scholarship Committee has the power to warn, to place on probation and to refuse registration to students whose work is deemed unsatisfactory.

#### RESERVATION OF RIGHT TO CHANGE RULES

The right is reserved to drop any student from the Law School whenever, in the interest of the student or the school, the faculty

deem it advisable to do so, or to modify or change the requirements, rules and fees of the school.

### SUBJECTS OF INSTRUCTION

The subjects marked with an asterisk are prescribed for the degree of Bachelor of Laws. These are as follows: Bills and Notes, Common Law Actions, Common Law Pleading and Practice, Contracts, Corporations, Equity II, Equity Pleading and Practice, Evidence, Moot Court, Personal Property, Real Property I, Real Property II, and Torts.

The following additions to the list of required subjects for this degree should be noted:

In the case of students entering the Law School on or after June 1, 1924, Constitutional Law; in the case of students entering the Law School after June 1, 1925, Criminal Law and Procedure.

The student may elect the remainder of his subjects. Third-year students may elect the subjects of the second year not previously studied.

(The schedule of classes for the academic year 1925-26 will not be ready for distribution until after September 1, 1925. The following is a list of subjects offered during 1924-25, and is not an announcement of courses for 1925-25, although few changes are anticipated. Text books and instructors may be changed in some instances.)

### FIRST YEAR SUBJECTS

AGENCY. *Two hours a week throughout the year.* Wambaugh's Cases on Agency. MR. JORDAN.

\* COMMON LAW ACTIONS. *One hour a week for one half-year.* Sunderland's Cases on Common Law Pleading. MR. VAN VLECK.

\* CONTRACTS. *Three hours a week throughout the year.* Williston's Cases on Contracts. MR. MOLL and MR. TOWNSEND.

\* CRIMINAL LAW AND PROCEDURE. *Two hours a week for first half-year, one hour a week for second half-year.* Mikell's Cases on Criminal Law and Procedure. MR. EARNEST.

DOMESTIC RELATIONS. *Two hours a week for one half-year.* Woodruff's Cases on Domestic Relations. MR. JORDAN.

\* PERSONAL PROPERTY. *Two hours a week for one half-year.* Warren's Cases on Property. MR. SPAULDING and MR. ARNOLD.

PRINCIPLES OF LEGAL LIABILITY. *Two hours a week for one half-year.* Beale's Cases on Legal Liability. MR. ARNOLD.

\* REAL PROPERTY I. *Three hours a week for one half-year.* Warren's Cases on Real Property. MR. SPAULDING and MR. ARNOLD.

\* TORTS. *Two hours a week first half-year, three hours second half-year.* Pound's Cases on Torts. MR. COLLIER and MR. EDGERTON.



## SECOND YEAR SUBJECTS

AGENCY. *Two hours a week throughout the year.* Wambaugh's Cases on Agency. MR. JORDAN.

\* COMMON LAW PLEADING. *Two hours a week for one half-year.* Shipman on Pleading. MR. CLEPHANE and MR. ROSS.

DAMAGES. *Two hours a week for one half-year.* Beale's Cases on Damages. Not given in 1924-25.

DOMESTIC RELATIONS. *Two hours a week for one half-year.* Woodruff's Cases on Domestic Relations. MR. JORDAN.

\* EQUITY II. *Two hours a week throughout the year.* Ames' Cases on Equity Jurisdiction, Volume 1. MR. SPAULDING.

\* EQUITY PLEADING AND PRACTICE. *One hour a week for one half-year.* Jones on Equity Pleading and Practice. MR. CLEPHANE and MR. ROSS.

\* EVIDENCE. *Two hours a week throughout the year.* Hinton's Cases on Evidence. JUDGE LATIMER and MR. ARNOLD.

INSURANCE. *Two hours a week for one half-year.* Wambaugh's Cases on Insurance. MR. MCFALL. Not given in 1924-25.

LEGAL BIBLIOGRAPHY AND BRIEF-MAKING. *One hour a week for one half-year.* MR. HALL and MR. MILLER.

QUASI-CONTRACTS. *Two hours a week for one half-year.* Thurston's Cases on Quasi-Contracts. MR. EDGERTON.

\* REAL PROPERTY II. *Two hours a week throughout the year.* Warren's Cases on Conveyancing. MR. EVANS.

SALES. *Two hours a week throughout the year.* Williston's Cases on Sales (3rd ed.). MR. MOLL.

## THIRD YEAR SUBJECTS

ADMINISTRATION OF ESTATES. *Two hours a week for one half-year.* Costigan's Cases on Wills. MR. EVANS.

ADMINISTRATIVE LAW. *Two hours a week for one half-year.* Freund's Cases on Administrative Law. MR. SPAULDING.

ADMIRALTY. *Two hours a week for one half-year.* Ames' Cases on Admiralty Jurisdiction, and assigned readings. MR. ALDEN.

BANKRUPTCY. *Two hours a week for one half-year.* MR. BRANDENBURG.

\* BILLS AND NOTES. *Two hours a week throughout the year.* Britton's Cases on Bills and Notes. MR. ARNOLD.

CONFLICT OF LAWS. *Two hours a week throughout the year.* Lorenzen's Cases on Conflict of Laws. MR. VAN VLECK.

\* CONSTITUTIONAL LAW. *Two hours a week throughout the year.* Hall's Cases on Constitutional Law. MR. COLLIER.

\* CORPORATIONS. *Two hours a week throughout the year.* Warren's Cases on Corporations (2nd ed.). MR. EDGERTON and MR. COLLIER.

EQUITY III. *Two hours a week for one half-year.* Ames' Cases on Equity Jurisdiction, Volume II. JUSTICE STAFFORD and MR. EDGERTON.

FEDERAL PROCEDURE. *Two hours a week for one half-year.* MR. BRANDENBURG.

INCOME TAX. *Two hours a week for one half-year.* Internal Revenue Laws, 1920. MR. GORDON.

INTERNATIONAL LAW. *Two hours a week throughout the year.* Scott's Cases on International Law. MR. HARRIMAN.

INTERSTATE COMMERCE. *Two hours a week for one half-year.* Frankfurter's Cases on Interstate Commerce. MR. OLIVER.

LEGAL TACTICS AND ETHICS. *One hour a week for one half-year.* MR. CLEPHANE.

\* MOOT COURT. *Two hours a week throughout the year.* MESSRS. CLEPHANE, EARNEST, LATIMER and HALL. To register for this course students must have completed Common Law Pleading and Practice, Equity Pleading and Practice and Evidence.

MORTGAGES. *Two hours a week for one half-year.* Kirchwey's Cases on Mortgages (2nd ed.). MR. McFALL.

SURETYSHIP. *Two hours for one half-year.* Ames' Cases on Suretyship. MR. McFALL.

ORGANIZATION AND MANAGEMENT OF CORPORATIONS. *One hour a week for one half-year.* Clephane on the Organization and Management of Corporations. MR. CLEPHANE.

PARTNERSHIP. *Two hours a week for one half-year.* Ames' Cases on Partnership. JUSTICE STAFFORD.

PATENT LAW (SUBSTANTIVE) AND PATENT OFFICE PRACTICE. *Two hours a week throughout the year.* MR. SUTTON.

PATENT LAW MOOT COURT. *Two hours a week for one half-year.* MR. SUTTON.

PROPERTY III. *Two hours a week for one half-year.* Kale's Cases on Future Interests. MR. UPDEGRAFF. Not given in 1924-25.

PUBLIC UTILITIES. *Two hours a week for one half-year.* Burdick's Cases on Public Utilities. MR. OLIVER.

ROMAN LAW. *Two hours a week for one half-year.* Sohms Institutes of Roman Law (Ledlie's translation); Pound's Readings in Roman Law. MR. MOLL.

TRUSTS. *Two hours a week throughout the year.* Scott's Cases on Trusts. MR. EVANS.

WILLS. *Two hours a week for one half-year.* Costigan's Cases on Wills. MR. EVANS.



## SUMMER SESSIONS, 1925

The Summer School for 1925 will cover a period of thirteen weeks, divided into two sessions of six and one-half weeks each. Classes in the first session begin Monday, June 15, and end Saturday, July 25. Examinations will be held July 27, 28 and 29. Classes in the second session begin Thursday, July 30, and end Wednesday, September 9. Examinations will be held September 10, 11 and 12.

The purpose of the Summer School is to lighten or supplement the work of the regular session by enabling students to complete subjects usually taken in the regular session, or to shorten the period of study for a degree.

Subjects have been selected to afford proper work, both for students beginning the study of law and for advanced students. All the subjects selected will be conducted by regular members of the faculty, and the character of instruction and the amount and grade of work required will be the same as that of the regular session.

### TERMS OF ADMISSION

The Law School is co-educational. Both men and women are admitted to the Summer School and to the regular session upon the same terms.

The requirements for admission are the same as those for the regular sessions. Students from other law schools may be admitted for the summer sessions only as special students.

Registration should be completed by the opening date of each session. Students may register for one or both sessions.

### FEEES

1. Registration fee (payable once, upon first registration in the Law School) ..... \$5
2. Tuition fee:
  - (a) For students who matriculated in the Law School prior to June 1, 1924, and were registered and in attendance some time during the two years prior to that date, tuition fee per semester credit ..... 6
  - (b) For new students or those who have not been registered and in attendance some time during the past two years, tuition fee per semester credit ..... 7

All fees are due upon registration. Students who find it impossible to pay their fees in advance must consult the Secretary of the Law School in respect to making a satisfactory postponement.

A student who is compelled to withdraw before the end of a session should notify the Secretary of the Law School at once. In such cases, *if there is prompt notification*, a fair adjustment of fees will be made, the reasons for withdrawal being considered. No reduction will be made for withdrawal after the middle of a session or for late registration.

#### CREDIT

Employed students may obtain a maximum of four semester hours credit in each session by attendance in two subjects aggregating ten periods per week.

Students without substantial outside employment may obtain a maximum of six semester hours' credit in each session by attendance in three subjects aggregating fifteen periods per week.

#### HOURS OF RECITATION

The schedule is so arranged that work may be taken in the morning or in the late afternoon, or part in the morning and part in the late afternoon.

Classes in morning subjects are held from Tuesday to Saturday, inclusive; classes in afternoon subjects from Monday to Friday, inclusive. Friday, July 4, and Monday, September 1, will be holidays.

### COURSES OF INSTRUCTION—FIRST SESSION

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#### FIRST YEAR SUBJECTS

**Personal Property.**—Two semester credits. Warren's Cases. Tuesday to Saturday, inclusive, 7:50 to 8:40 a. m. MR. SPAULDING.

**Domestic Relations.**—Two semester credits. Woodruff's Cases. Monday and Thursday, 5:10 to 6:55 p. m.; Wednesday, 6:05 to 6:55 p. m. MR. JORDAN.

#### SECOND AND THIRD YEAR SUBJECTS

**Agency.**—Two semester credits. Wambaugh's Cases. Tuesday and Friday, 5:10 to 6:55 p. m.; Wednesday, 5:10 to 6:00 p. m. MR. JORDAN.

**Damages.**—Two semester credits. Beale's Cases. Tuesday to Saturday, inclusive, 7:50 to 8:40 a. m. MR. MOLL.

**Sales.**—Four semester credits. (Continued through second session.) Williston's Cases. Tuesday and Friday, 5:10 to 6:55 p. m.; Wednesday, 5:10 to 6:00 p. m. MR. MOLL.



**Labor Law.**—Two semester credits. Sayre's Cases. Monday and Thursday, 5:10 to 6:55 p. m.; Wednesday, 6:05 to 6:55 p. m. MR. SPAULDING.

**Conflict of Laws.**—Four semester credits. (Continued through second session.) Lorenzen's Cases. Tuesday and Friday, 5:10 to 6:55 p. m.; Wednesday, 5:10 to 6:00 p. m. MR. VAN VLECK.

**Wills.**—Two semester credits. Costigan's Cases. Monday and Thursday, 5:10 to 6:55 p. m.; Wednesday, 6:05 to 6:55 p. m. MR. EVANS.

**Water Rights.**—Two semester credits. Bingham's Cases. Tuesday to Saturday, 7:50 to 8:40 a. m. MR. EVANS.

## SECOND SESSION

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### FIRST YEAR SUBJECTS

**Real Property I.**—Two semester credits. Warren's Cases. Tuesday to Saturday, inclusive, 7:50 to 8:40 a. m. MR. UPDEGRAFF.

**Legal Liability.**—Two semester credits. Beale's Cases. Monday and Thursday, 5:10 to 6:55 p. m.; Wednesday, 5:10 to 6:00 p. m. MR. COLLIER.

### SECOND AND THIRD YEAR SUBJECTS

**Insurance.**—Two semester credits. Case book to be announced later. Tuesday and Friday, 5:10 to 6:55 p. m.; Wednesday, 6:05 to 6:55 p. m. MR. EVANS.

**Sales.**—Four semester credits. (Continued from first session.) Williston's Cases. Tuesday and Friday, 5:10 to 6:55 p. m.; Wednesday, 6:05 to 6:55 p. m. MR. MOLL.

**Mortgages.**—Two semester credits. Kirchwey's Cases. Tuesday to Saturday, inclusive, 7:50 to 8:40 a. m. MR. COLLIER.

**Conflict of Laws.**—Four semester credits. (Continued from first session.) Lorenzen's Cases. Tuesday and Friday, 5:10 to 6:55 p. m.; Wednesday, 6:05 to 6:55 p. m. MR. VAN VLECK.

**Partnership.**—Two semester credits. Crane and Macgruder's Cases. Monday and Thursday, 5:10 to 6:55 p. m.; Wednesday, 5:10 to 6:00 p. m. MR. SPAULDING.

**Property III.**—Two semester credits. Case book to be announced later. Monday and Thursday, 5:10 to 6:55 p. m.; Wednesday, 5:10 to 6:00 p. m. MR. UPDEGRAFF.

### PUBLIC SPEAKING AND DEBATING

Excellent facilities for training in public speaking and parliamentary law are afforded by the Columbian Debating Society, which meets weekly for debate. Membership in this society is optional, but its work is encouraged by the faculty, and students are advised to take part in its exercises.

Intercollegiate debates are also held. Membership on the teams which represent the University in these contests must be won in preliminary contests held for the purpose. These debates are conducted under the supervision of a committee of the University Faculty.

### THE BENCHERS

The Benchers is a legal honor society, organized to promote scholarship in the Law School. Students who have maintained an average of A during two years' work in this Law School are eligible as Term Benchers, and those who have maintained an A average throughout the course and are within the first 10 per cent of the class are eligible as Benchers. Elections are by the Faculty Benchers.

### STUDENTS' EMPLOYMENT

The University maintains an employment bureau to assist students in finding work to aid in their support. Many out-of-town students take the United States Civil Service examinations in their various states and secure positions in the Government departments in Washington, where the hours of employment enable them to pursue the law course in the afternoon. Information concerning these examinations may be secured from the Civil Service Commission at Washington.

There are also opportunities for private employment which will help pay expenses, but the applicant must be on hand to take advantage of them. Prospective students should have the means of support for at least a half-year to give them time to secure positions.

### PRIZES

*The John B. Larner Gold Medal.*—A gold medal donated by Mr. John Bell Larner, Chairman of the Board of Trustees of the University, is awarded annually to that member of the graduating class who shall have attained the highest average grade in the entire course for the degree of Bachelor of Laws. Awarded in 1923-24 to Henry Temin.

*Samuel Herrick Prize.*—A prize of twenty-five dollars cash, donated by Samuel Herrick, Esq., is awarded annually to that member of the graduating class, excepting the winner of the gold medal, who has attained the highest average grade in the work of the third year. Awarded in 1923-24 to Harry Friedman.



*The Ordronaux Prize Scholarship.*—A prize scholarship, known as "the Ordronaux Prize Scholarship," is awarded annually to that member of the second-year class taking the regular course who shall have attained the highest average grade in the work of the second year. The recipient of this prize will be entitled to receive credit for tuition fees to the extent of one hundred dollars in his third year; the diploma fee will remain payable. The award of this scholarship is purely personal and will not be commuted to a cash payment. The recipient of the scholarship must make use of it during the session next succeeding its award; otherwise it will be awarded to the person having the next highest grade. Awarded in 1923-24 to Robert S. Gordon.

*Phi Delta Phi Prize.*—John Marshall's Inn, the local chapter of Phi Delta Phi Legal Fraternity, offers a prize of twenty-five dollars cash, to be awarded at the close of each school year to that man of the first-year class who shall have attained the highest average grade in the entire work of the year. Recipients are restricted to men who have made their initial registration in the Law School since the previous June, and who shall have completed at least eighteen semester hours of the courses prescribed for the work of the first year. Awarded in 1923-24 to Ernest L. Wilkinson.

*Phi Delta Delta Prize.*—Zeta Chapter of Phi Delta Delta Women's Legal Fraternity, which is the local chapter, offers a prize of twenty-five dollars in gold, to be awarded annually to that woman member of the first-year class receiving the highest average of those registered as first-year students who shall not have entered the Law School prior to September of the scholastic year for which the prize is awarded, and who shall have completed at least eighteen semester hours of study during that year. Awarded 1923-24 to Marion Schwartz.

*Ellsworth Prize.*—A prize of twenty-five dollars in gold, offered by Mr. Fritz v. Briesen, called the "Ellsworth Prize," is awarded for the best work done by a student in the subject of Patent Law Practice. Awarded 1923-24 to Finney Bascom Smith.

*John Byrne and Company Prize.*—A prize offered by John Byrne and Company of Washington, D. C., of four volumes of their Legal Classics is awarded each year to the student attaining the highest grade in Real Property II. Awarded 1923-24 to Robert S. Gordon.

*Contracts Prize.*—A prize offered by Callaghan and Company, law book publishers, of a Cyclopedic Law Dictionary is awarded each year to the student attaining the highest grade in Contracts. Awarded 1923-24 to Theodore E. Simonton.

*Phi Alpha Delta Prize.*—John Jay Chapter, Phi Alpha Delta Law Fraternity, offers a prize consisting of the set of Wigmore on Evi-

dence, to the second-year student attaining the highest average in the required subjects of the first and second years. Awarded for the first time for 1923-24 to Robert S. Gordon.

*Delta Theta Phi Prize.*—Woodrow Wilson Senate of the Delta Theta Phi Law Fraternity offers a prize, consisting of a twenty-five dollar credit toward the purchase of law books, to be selected by the winner, to that man or woman of the second-year class who shall have attained the second highest average grade in the work of the second year. Recipients are restricted to students who have completed at least twenty semester hours of work during the regular school year. The award will not be commuted to a cash prize. The first prize will be awarded in September, 1925, for the regular school year 1924-25. No student who, upon the completion of two years' work in the Law School, has completed a total of more than sixty semester hours of work therein, or who at the beginning of his second year has completed less than twenty semester hours of work, shall be eligible for this prize.

*Kappa Beta Pi Prize.*—A prize of twenty-five dollars will be awarded by the Kappa Beta Pi Legal Sorority to that woman of the second-year class elected to the term benchers, who has the highest scholastic average.

### FEES

1. Registration fee (payable once upon first registration in the Law School) ..... \$5.00

2. Tuition fee:

(a) For students who matriculated in the Law School prior to June 1, 1924, and were registered and in attendance some time during the two years prior to that date, tuition fee per semester for each hour taken per week..... 6.00

(b) For all other students, tuition fee per semester for each hour taken per week..... 7.00

At this rate the tuition fee for students taking the regular course is as follows:

Full-time students, per semester..... 98.00  
Part-time students, per semester..... 70.00

3. University fee:

Per semester (in advance) ..... 4.00

This fee is charged to all students in the University. In return each student receives the following benefits: The University Hatchet (the student newspaper), free admission to all



home athletic contests held by the University, medical and hospital benefits, including not to exceed two weeks in any one year in the University Hospital, the use of the University gymnasium, admission to University intercollegiate debates, and other privileges.

4. Graduation fee .....	\$10.00
The approximate cost of the books for the first year.....	45.00

#### PAYMENT OF FEES

Registration fee is due in advance. Tuition may be paid in eight monthly installments in advance, but will not be apportioned for a part of a month. Students unable to pay their fees monthly in advance will be required to file an acceptable personal or corporate bond for \$200 as security for future payment. In every instance all indebtedness must be discharged on or before May 1 of the current school year. Students who are dropped from the rolls because of delinquency in payment of fees are required to pay a registration fee of \$2. Fees are payable at the office of the Treasurer of the University, 2033 G Street, or until September 1, 1925, of the Secretary of the Law School.

#### LOAN FUND SCHOLARSHIPS

A limited number of loan fund scholarships are available to students under advantageous conditions. Applications should be made to the Treasurer of the University.





## **STUDENTS IN THE UNIVERSITY**

Names of students who have withdrawn or graduated are indicated by stars (\*) ; those who have entered since February 2, 1925, by daggers (†).

## **DEGREES CONFERRED, MISCELLANEA**





## STUDENTS REGISTERED IN THE DEPARTMENT OF ARTS AND SCIENCES, 1924-1925

Names of students who have withdrawn or graduated are indicated by stars (\*); those who have entered since February, 1925, by daggers (†).

In the numeration of undergraduate students the column of figures indicates the number of semester-hours of work taken by the student prior to the beginning of the current academic year, 1924-25, and completed without conditions, or credited on advanced standing in candidacy for a degree. In Columbian college 120 credits are required for graduation; in Teachers College, 124; in the College of Engineering, 140.

### GRADUATE SCHOOL

#### STUDENTS IN ATTENDANCE

- Ball, Alice Arlene, Md.  
B.S., 1923, Simmons College
- Black, Charles A., Tenn.  
A.B., 1914, Hendrix College; M. S., 1923, George Washington University
- Boyer, Amandus James, D. C.  
B.S., 1921, Pennsylvania State
- \*Brunhouse, Walter Altland, D. C.  
B.S., 1915, Pennsylvania State College
- Cadisch, Gordon Francis, N. Y.  
B.S., 1917, University of Illinois; M.B.A., 1924, New York University
- Callahan, Dolly M., Va.  
A.B., 1919, George Washington University; M.A., 1921, George Washington University
- \*Carpenter, Lillian Evans, D. C.  
A.B. and T.D., 1914, George Washington University
- Cole, Edward Everett, D. C.  
A.B., 1893, University of Illinois; M.A., 1899, Colorado College; Ph.D., 1906, Denver College
- Collins, Selwyn DeWitt, D. C.  
A.B., 1914, University of Missouri; A.M., 1915, University of Wisconsin
- \*Cox, Carrie Juliet, W. Va.  
A.B., 1922, George Washington University; M.S., 1923, George Washington University
- Daggit, Esther Overly, D. C.  
B.S., 1923, University of Minnesota
- Dimon, Jay Johnson, D. C.  
A.B., 1898, Kenyon University; D.D., 1924, Kenyon University
- Dyer, Helen Marie, D. C.  
A.B., 1917, Goucher College
- Fitzpatrick, F. Stuart, D. C.  
B.A., Trinity College, 1914
- Fox, Edward J., D. C.  
A.B., 1917, Richmond College; M.S., 1923, George Washington University
- Fuller, Gladys, D. C.  
A.B., 1923, George Washington University
- Gardiner, Robert Franklin, D. C.  
B.S., 1908, Rhode Island State College; M.S., 1914, George Washington University
- Gardner, Kelsey, Colo.  
A.B., 1920, Washburn College; M.B.A., 1922, Harvard University
- †Gates, Philip, Md.  
B.S., 1921, University of Wisconsin
- †Gay, Suna May, Iowa  
B.A., Iowa University
- Green, Elsie Eugenia, D. C.  
A.B., 1914, George Washington University
- Guest, Margaret Reed, D. C.  
A.B., 1923, George Washington University
- \*Hannay, Annie Murray, D. C.  
M.A., 1905, Glasgow, Scotland
- Hartman, Arthur M., D. C.  
B.A., 1924, George Washington University
- \*Hinke, Frederick William, N. Y.  
A.B., 1922, Hamilton College
- Holden, James H., Okla.  
B.S., 1917, University of Kansas
- Hooker, Mildred W., Vt.  
Ph.B., University of Vermont, 1921
- \*Houghton, Grace Adams, Wis.  
A.B., 1906, University of Wisconsin
- James, Lawrence H., Iowa  
B.S., 1921, Iowa State
- \*Kelley, Ogden A., D. C.  
B.A., 1922, University of Michigan
- Kuentsel, Ward, D. C.  
B.S., 1917, University of Minnesota; M.S., 1924, George Washington University
- †Lapish, Joe Harry, D. C.  
B.S., 1924, George Washington University
- Le Jeune, Norman F., D. C.  
B.S., 1920, Carnegie Institute of Technology; M.S., 1924, George Washington University
- Lind, Ida May, D. C.  
A.B., 1924, George Washington University

- Lumsden, Florence, N. Y.  
A.B., 1919, Cornell University;  
A.M., 1920, Cornell University
- McCahan, David, Pa.  
B.S., 1920, University of Pennsylvania;  
M.A., 1922, University of Pennsylvania
- McMahan Margaret Agnes, D. C.  
B.S., 1906, George Washington University;  
M.A., 1907, George Washington University
- Marshall, Rush P., D. C.  
B.S., 1914, Pennsylvania State;  
M.S., 1924, University of Wisconsin
- Martin, John Holmes, D. C.  
B.S., 1914, Oregon Agricultural College;  
M.S., 1921, University of Maryland
- May, Orville Edward, Iowa  
A.B., 1924, George Washington University
- †Morrell, Foster, D. C.  
A.B., 1923, Johns Hopkins University
- \*Murphy, Mable Grant, D. C.  
A.B., 1912, Butler College; A.M., 1922, George Washington University
- \*Nevins, Ruby, D. C.,  
A.B., 1917, George Washington University
- Newell, Roger, D. C.  
A.B., 1923, George Washington University
- Oleinik, Joseph Carl, Mont.  
B.S., 1923, University of Nebraska
- †Pollock, Laura Kersey, D. C.  
A.B., 1923, George Washington University
- †Quintrell, John E., Md.  
A.B., 1915, Carson-Newman College
- Riley, Ethel Eleanor, Ohio  
A.B., 1903, Ohio University
- †Roach, Jessie D., Ill.  
A.B., 1924, George Washington University
- Robison, Daisy Stanberry, Ky.  
A.B., 1924, George Washington University
- \*Rogers, Newell S., Iowa  
A.B., 1923, Coe College
- †Rutherford, William Robert, D. C.  
A.B., 1919, University of Oregon;  
A.M., 1920, University of Stanford
- Schramm, George Nelson, Md.  
B.S., 1922, University of Maryland;  
M.S., 1923, University of Maryland
- Schwartz, Claus Johann, D. C.  
A.B., 1903, George Washington University;  
A.M., 1913, George Washington University
- †Sievers, Edward G., D. C.  
A.B., University of Wisconsin
- Simpson, Mary Kirk, Va.  
A.B., 1898, Grove City College;  
A.M., 1920, George Washington University
- \*Smith, Isla Virginia, Ala.  
A.B., 1908, Judson College; B. S., 1916, Columbia College
- Stahl, Mildred, Ind.  
A.B., 1923, Indiana University;  
A.M., 1924, Smith College
- Stewart, Myrtle, Md.  
A.B., 1920, Blue Ridge College
- Stoeckbrand, Albert Knorr, Md.  
A.B., 1910, Bucknell University;  
A.M., 1913, Bucknell University;  
B.D., 1913, Crozer Theological Seminary
- Svihla, Ruth Dowell, D. C.  
A.B., 1920, Smith College; A. M., 1923, University of Illinois
- †Taylor, James Norma, Del.  
B.S., 1913, George Washington University;  
M.S., 1922, George Washington University
- Taylor, Nell Boyd, D. C.  
B.A., 1922, George Washington University
- Thornhill, Annie C., D. C.  
A.B., 1922, George Washington University;  
M.A., 1923, George Washington University
- Veley, Bernice A., D. C.  
A.B., 1923, George Washington University
- \*Waddell, Elizabeth F., Ga.  
A.B., 1921, George Washington University
- \*Wallace, David Wilfred, N. J.  
A.B., 1920, Harvard University
- \*Watson, Vinnie Wait, Va.  
A.B., 1913, South Carolina University
- Welsh, Mark Frederick, Md.  
D.V.M., 1919, Michigan Agricultural College
- \*Whitecomb, Emeluir S., D. C.  
Whittaker, Colin W., Ill.  
A.B., 1919, Fairmont College; M.S., 1923, George Washington University
- \*Willis, Virginia Bullock, D. C.  
A.B., 1921, George Washington University;  
A.M., 1924, George Washington University
- Woodfin, William Clarence, Va.  
A.B., 1922, University of Richmond
- Worrell, Everil, Va.  
B.A., 1915, George Washington University
- \*Yates, Lloyd, D. C.  
A.B., 1924, Amherst College

## CANDIDATES FOR DEGREES

- Abel, James Frederick (Ph.D.), Nev.  
B.A., 1901, University of Nevada;  
M.A., 1918, Stanford University.  
Major: Education
- Abid, Aziz (Ph.D.), Egypt  
D.Ec., 1923, Oxford University.  
Major: Political Science
- Abramson, Herbert (A.M.), D. C.  
A.B., 1924, George Washington University.  
Major: History
- Acton, Russell Clow (A.M.), Ill.  
A.B., 1924, University of Illinois.  
Major: Commerce



- Adams, Helen Thayer (A.M.), Mo.  
A.B., 1924, University of Wisconsin.  
*Major: Ethnology*
- \*Ahart, Joseph Lee (A.M.), Calif.  
B.S., 1924, University of California.  
*Major: Commerce*
- \*Abern, Harry Paul (A.M.), D. C.  
A.B., 1924, George Washington University.  
*Major: Commerce*
- \*Ai, Joseph Wei (Ph.D.), China  
B.S., 1919, St. Johns University;  
A.M., 1922, Columbia University.  
*Major: Psychology*
- Akers, Sheldon Buckingham (A.M.), Va.  
B.S., 1922, University of Virginia.  
*Major: Economics*
- Anderson, Bruce Emery (A.M.), D. C.  
A.B., 1924, Colorado College. *Major: Physics*
- †Anderson, Norman Theodore (A.M.), Ill.  
A.B., 1924, George Washington University.  
*Major: Commerce*
- Andrews, Arthur Martin (M.S.), D. C.  
B.S., 1922, Rensselaer Polytechnic Institute. *Major: Civil Engineering*
- Bailey, Emmett Chester (M.S.), Wisc.  
B.S. in M.E., 1922, George Washington University; B.S., 1916, Beloit College. *Major: Mechanical Engineering*
- \*Bailey, Lillie Porter (A.M.), D. C.  
A.B., 1920, George Washington University.  
*Major: English*
- Baker, Courtland Darke (A.M.), W. Va.  
A.B., 1924, George Washington University.  
*Major: English*
- Baker, Harry, Jr. (A.M.), D. C.  
A.B., 1924, George Washington University.  
*Major: History*
- \*Baldwin, Alice (A.M.), Md.  
A.B., 1923, George Washington University.  
*Major: History*
- Bales, William (A.M.), D. C.  
A.B., 1924, George Washington University.  
*Major: Political Science*
- Baraff, Charles (A.M.), N. Y.  
B.S., 1924, City College. *Major: Mathematics*
- Barnes, Jesse Wright (Ph.D.), Calif.  
A.B., 1917, University of California; M.S., 1922, George Washington University.  
*Major: Chemistry*
- Bartholomew, Wilmer Tillet (A. M.), D. C.  
A.B., 1923, George Washington University.  
*Major: Psychology*
- \*Bartach, Mrs. Signe G. (A.M.), D. C.  
A.B., 1920, George Washington University.  
*Major: Spanish*
- \*Bassler, William Sidney (A.M.), D. C.  
A.B., 1923, George Washington University.  
*Major: English*
- Batschelet, Clarence Edmund (A.M.), Va.  
A.B., 1912, Franklin & Marshall.  
*Major: Geology*
- Bedell, Marion Gardner (A.M.), Conn.  
A.B., 1921, Connecticut College.  
*Major: English*
- †Beij, Fay Pieros (A.M.), D. C.  
A.B., 1917, George Washington University.  
*Major: Zoology*
- Beller, Sadie W. (A.M.), D. C.  
A.B., 1919, George Washington University.  
*Major: History*
- Bennett, Maurice Nathalie (A.M.), N. Y.  
A.B., 1922, George Washington University.  
*Major: Archaeology*
- Berliner, Julius F. T. (Ph.D.), D. C.  
B.S., 1923, George Washington University; M.S., 1923, George Washington University.  
*Major: Chemistry*
- Berryman, Elizabeth B. (A.M.), D. C.  
A.B., 1917, George Washington University.  
*Major: History*
- Bird, Frances Mary C. (A.M.), Iowa  
A.B., 1917, Mt. St. Joseph. *Major: Psychology*
- Blakeslee, Arthur L., Jr. (A. M.), D. C.  
B.S., 1923, Catholic University.  
*Major: Education*
- Boliek, Leo Ernest (A.M.), Va.  
A.B., 1915, Lenoir College. *Major: Education*
- \*Bool, Marjorie (A.M.), N. Y.  
A.B., 1923, Cornell University.  
*Major: Economics*
- Bosworth, Edwin Carpenter (A.M.), Md.  
Ph.B., 1911, Brown University.  
*Major: History*
- Bowman, Paul William (A.M.), Pa.  
A.B., 1924, University of Pennsylvania.  
*Major: Botany*
- Boynton, Marcia (A.M.), Ohio  
A.B., 1924, George Washington University.  
*Major: Education*
- Brainerd, Heloise (A. M.), D. C.  
A.B., 1904, Smith College. *Major: Education*
- †Brannen Florence (A. M.), Ga.  
A.B., 1922, George Washington University.  
*Major: History*
- Brattain, Paul Henry (M. S.), D. C.  
B.S., 1918, University of Pittsburgh.  
*Major: Chemistry*
- Bronell, John R. (A.M.), D. C.  
A.B., 1925, George Washington University.  
*Major: Economics*
- \*Brookley, Lora Anna (A.M.), Calif.  
A.B., 1923, George Washington University.  
*Major: History*
- Brossard, Laura Parkinson (A.M.), D. C.  
B.S., 1920, University of Minnesota.  
*Major: Economics*
- Brown, Herbert Charles (A.M.), Md.  
A.B., 1917, Greenville College.  
*Major: Education*
- Bunnell, Theora Juliette (A.M.), Md.  
A.B., 1904, Goucher College. *Major: History*
- †Burlack, Eda (A. M.), D. C.  
A.B., 1914, Mississippi State College.  
*Major: Education*
- Burnet, Mrs. Robbie B. (A.M.), D. C.  
A.B., 1924, George Washington University.  
*Major: History*
- Burns, Charles Edward (M. S.), D. C.  
B.S., 1923, George Washington University.  
*Major: Mechanical Engineering*
- Burt, Edwin Caleb (A.M.), D. C.  
A.B., 1924, George Washington University.  
*Major: History*
- Came, Carleton Lord (M.S.), D. C.  
B.S., 1919, University of New Hampshire. *Major: Chemistry*
- Cameron, Edwin John (Ph.D.), D. C.  
B.S., 1920, Massachusetts Institute of Technology. *Major: Bacteriology*

- Jarnahan, Lina (A.M.), D. C.  
A.B., 1919, George Washington University. *Major: Geology*
- Carraber, Margaret Mary (A.M.), D. C.  
A.B., 1923, George Washington University. *Major: English*
- Carraber, Rose Gertrude (A.M.), D. C.  
A.B., 1923, George Washington University. *Major: English*
- Casey, Marion Elisabeth (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: English*
- Caton, Herman Luther (A.M.), Tenn.  
B.A., 1917, Maryville College. *Major: Education*
- Cavanaugh, Ernest Denning (A.M.), D. C.  
A.B., 1921, Trinity College. *Major: Commerce*
- Chamberlin, Donald Lee (M.S.), D. C.  
C.E., 1921, Princeton University. *Major: Civil Engineering*
- Chaney, Mrs. Bertha S. (Ph.D.), D. C.  
B.S., 1896, Union College; A.M., 1922, George Washington University. *Major: Psychology*
- Childree, Linney L. (A.M.), Ala.  
B.S., 1922, Alabama Polytechnic. *Major: Commerce*
- Christie, Alfred, Jr. (A.M.), Md.  
A.B., 1912, Mercer University. *Major: Bacteriology*
- Clemens, Maynard A. (Ph. D.), Md.  
B.S., 1913, Columbia College; M.A., 1920, Johns Hopkins University; B.C.S., 1924, University of Maryland. *Major: Education*
- Clifford, May Frances (A.M.), Minn.  
B.A., 1924, George Washington University. *Major: History*
- Cline, Robert Carlyle (A.M.), Va.  
A.B., 1923, George Washington University. *Major: Education*
- Coleman, Charles Hubert (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: History*
- Collins, Henry Bascomb, Jr. (M.S.), La.  
A.B., 1922, Millsaps College. *Major: Architecture*
- Converse, Henry Thomas (M.S.), Md.  
B.S., 1910, University of New Hampshire. *Major: Chemistry*
- Cook, Anita M. (A.M.), D. C.  
A.B., 1916, Smith College. *Major: Political Science*
- Cook, Fanny A. (Ph.D.), Miss.  
A.B., 1919, Mississippi State College. *Major: Zoology*
- Cook, Gertrude Elisabeth (A.M.), Ohio  
A.B., 1924, Hood College. *Major: Bacteriology*
- Cotterman, Harold F. (Ph.D.), Md.  
B.S., 1916, Ohio State; M.A., 1917, Columbia University. *Major: Education*
- \*Counts, Rebecca (M.S.), Ohio  
B.S., 1923, Simmons College. *Major: Chemistry*
- Couture, Mildred L. (A.M.), N. H.  
A.B., 1924, George Washington University. *Major: Philosophy*
- Crabtree, Lu Verne (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: Psychology*
- Craig, Thomas Suiger (A.M.), Pa.  
B.S., 1922, Massachusetts Institute Technology. *Major: Commerce*
- Craig, William Boyd (A.M.), Pa.  
A.B., 1924, Washington and Jefferson College. *Major: English*
- Cram, Eloise Blaine (Ph.D.), Iowa  
B.S., 1918, University of Chicago; M.S., 1923, George Washington University. *Major: Zoology*
- Craven, Gertrude (A.M.), D. C.  
A.B., 1924, Connecticut College. *Major: English*
- Crosby, Elizabeth R. (A.M.), Pa.  
A.B., 1911, Juniata College. *Major: Political Science*
- †Curry, Basil Holloway (A.M.), Tex.  
A.B., 1924, Baylor University. *Major: History*
- Curry, Mary Alice (A.M.), Miss.  
A.B., 1904, Mississippi State College. *Major: Education*
- Cuthbertson, Elizabeth R. (A.M.), D. C.  
A.B., 1923, Trinity College. *Major: Education*
- Deffenbaugh, Walter S. (Ph.D.), D. C.  
A.B., 1898, West Virginia University; A.M., 1917, George Washington University. *Major: Education*
- †Denison, Irving Alson (Ph.D.), D. C.  
B.S., 1920, University of Illinois; M.S., 1920, University of Illinois. *Major: Chemistry*
- Denning, Ruth Osgood (A.M.), N. Dak.  
A.B., 1911, Ripon College. *Major: Education*
- Diermier, Mrs. Natalie S. (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: Home Economics*
- Doran, Sarah L. (A.M.), N. Y.  
A.B., 1924, George Washington University. *Major: History*
- Dorr, Ada Gautier (A.M.), D. C.  
A.B., 1917, Mississippi State College. *Major: English*
- Douglass, Edgar Meritt (A.M.), D. C.  
A.B., 1921, Wofford College. *Major: Education*
- Doyle, Aida Mary (Ph.D.), D. C.  
B.S., 1898, George Washington University; M.S., 1899, George Washington University. *Major: Chemistry*
- \*Dunbar, Marguerite Mary (A.M.), D. C.  
A.B., 1914, New York State College. *Major: Education*
- Dunham, George Clark (A.M.), D. C.  
M.D., 1914, University of Oregon; Dr. P.H., 1921, Johns Hopkins University. *Major: Pre-Medical*
- Eckert, Esther Agnes (A.M.), D. C.  
A.B., 1923, George Washington University. *Major: English*
- Eisinger, John Overton, (A.M.), D. C.  
B.S., 1923, George Washington University. *Major: Commerce*
- Elliot, Janet Elisabeth (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: French*
- \*Engberg, Florence King, Mrs. (A.M.), D. C.  
B.A., 1919, Drake University. *Major: Economics*



- †English, Maude F. (A.M.), D. C.  
A.B., 1918, George Washington University. *Major: English*
- Entwisle, Ada R. (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: English*
- †Evans, Alice Catherine (Ph. D.), D. C.  
B.S., 1909, Cornell University;  
M.S., 1910, University of Wisconsin. *Major: Botany*
- Evans, Jessie Ruth (A.M.), D. C.  
A.B., Washington Mississippi College. *Major: English*
- Evans, Walter Odgen (A.M.), Ky.  
A.B., 1923, George Washington University. *Major: History*
- Federico, Pasquale Joseph (A.M.), Ohio  
B.S., 1923, Case School of Applied Science. *Major: Mathematics*
- Folsie, Leonard Roy (A.M.), Ia.  
B.A., 1924, George Washington University. *Major: Archaeology*
- †Frankenfield, Mary Hayes (A.M.), Pa.  
A.B., 1924, George Washington University. *Major: Latin*
- \*Fravel, Margaret Virginia (A.M.), Va.  
A.B., 1923, George Washington University. *Major: History*
- Fusfeld, Irving Sidney (Ph. D.), D. C.  
S.B., 1915, Columbia College;  
B. Ped., 1916, Gallaudet College;  
M.A., 1917, Columbia College. *Major: Education*
- Gamble, James Alexander (Ph.D.), Md.  
B.S., 1909, Connecticut Agricultural College; M.S., 1915, George Washington University. *Major: Bacteriology*
- \*Gardner, Helen Mildred (A.M.), Pa.  
A.B., 1922, George Washington University. *Major: Psychology*
- Gay, Welland (A.M.), Va.  
B.S., 1918, University of Michigan. *Major: Economics*
- Geniesse, Eugene William (Ph.D.), Mich.  
B.S.E., 1920, University of Michigan; M.S., 1924, University of Michigan. *Major: Chemistry*
- \*Gessford, Eleanor (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: English*
- Goddard, Eunice F. (A.M.), A.B., George Washington University. *Major: English*
- Goodfellow, Katherine B. (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: English*
- Gosnell, Lois (A.M.), S. C.  
A.B., 1924, George Washington University. *Major: Spanish*
- Greenberg, Abraham Samuel (M.S.), N. Y.  
B.S., 1923, New York City College. *Major: Chemistry*
- Gropp, Paul E. (A.M.), Switzerland  
A.B., 1923, George Washington University. *Major: German*
- †Grosvenor, Edith L. (A.M.), D. C.  
A.B., 1925, George Washington University. *Major: Education*
- Guanella, Frances Marie (A.M.), Iowa  
B.A., 1923, George Washington University. *Major: Psychology*
- \*Guest, Cora Estelle (A.M.), D. C.  
A.B., 1923, George Washington University. *Major: Home Economics*
- Guire, Oscar Delfield, Jr. (Ph.D.), Calif.  
B.S., 1921, Gallaudet College; B.A., 1922, University of Calif.; M.S., 1923, University of Calif. *Major: Physics*
- Hall, Elizabeth Fambro (A.M.), Conn.  
A.B., 1923, George Washington University. *Major: Spanish*
- Hamilton, Bonifant (Ph.D.), D. C.  
B.S., 1918, George Washington University; M.S., 1920, George Washington University. *Major: Chemistry*
- Hansen, George Henry (A.M.), Utah  
B.S., 1919, Utah Agricultural College. *Major: Geology*
- Harman, Charissa (A.M.), Md.  
A.B., 1924, University of Maryland. *Major: English*
- \*Harrison, George Oliver (M.S.), N. Y.  
B.S., 1924, University of Florida. *Major: El. Engineering*
- Haslup, Alice Elma (A.M.), D. C.  
A.B., 1912, George Washington University. *Major: Education*
- †Hathaway, Christal Carson (A.M.), D. C.  
A.B., 1916, Park College. *Major: Political Science*
- \*Hauke, Rilla May (A.M.), D. C.  
A.B., 1919, George Washington University. *Major: Economics*
- Haworth, Ellis (M.S.), D. C.  
A.B., 1922, George Washington University. *Major: Physics*
- Hay, Frances Steele (A.M.), D. C.  
Ph. B., 1897, University of Chicago. *Major: Geology*
- Hasleton, Willis Blackford (Ph.D.), Minn.  
A.B., 1921, Macalester College. *Major: Political Science*
- \*Hedrick, Anna Fancher (A.M.), Va.  
A.B., 1921, Vassar College. *Major: Political Science*
- Henderson, Edward Porter (M.S.), Ohio  
A.B., 1924, George Washington University. *Major: Chemistry*
- \*Hensel, Minnie Viola (A.M.), Ohio  
A.B., 1924, George Washington University. *Major: Architecture*
- Higgins, Thomas Jefferson (A.M.), Iowa  
A.B., 1923, George Washington University. *Major: Spanish*
- Hill, Hugh P., Jr. (M.S.), D. C.  
B.S., 1924, George Washington University. *Major: C. Engineering*
- \*Himes, William Daniel (A.M.), W. Va.  
A.B., 1920, West Virginia University. *Major: History*
- Hodgkins, George Wilson (Ph. D.), D. C.  
A.B., 1915, George Washington University; A.M., 1916, George Washington University. *Major: Education*
- Hoffman, William Maguire (A.M.), D. C.  
Ph. B., 1907, Dickinson College. *Major: History*
- Holmes, Grace B. (Ph.D.), D. C.  
B.S., 1919, University of Maryland; M.S., 1922, George Washington University. *Major: Geology*

- Holmes, Ruth Emily Virginia (A.M.), Md.  
A.B., 1923, George Washington University. *Major: History*
- Holmes, Thomas James (M.S.), Md.  
B.S., 1924, University of Maryland. *Major: Chemistry*
- †Hopper, Ward Loan (A.M.), Wis.  
B.S., 1917, University of Wisconsin. *Major: Commerce*
- Hottenroth, Byrne J. (Ph.D.), D. C.  
A.B., 1923, Catholic University; A.M., 1923, Catholic University. *Major: Education*
- Hudmon, William Eliot (A.M.), D. C.  
A.B., 1921, George Washington University. *Major: Archaeology*
- Hudson, Helen Mildred (A.M.), Mich.  
A.B., 1918, Kalamazoo College. *Major: English*
- Huff, Daisie Morgan, Mrs. (A.M.), D. C.  
A.B., 1913, George Washington University; B.S., 1902, Valparaiso College. *Major: Education*
- \*Hughes, Mary Katherine (A.M.), Calif.  
A.B., 1923, University of California. *Major: English*
- Hunsicker, Elmer Walter (A.M.), Ind.  
A.B., 1924, George Washington University. *Major: Archaeology*
- Hunt, Thelma (A.M.), Md.  
A.B., 1924, George Washington University. *Major: Psychology*
- †Jacob, Kenneth Donald (M.S.), D. C.  
B.S., 1913, Mississippi Agricultural and Mechanical College. *Major: Chemistry*
- †Jennings, Ralph Dickinson (A.M.), Ohio  
B.S., 1914, Michigan Agricultural College. *Major: Commerce*
- \*Johnson, Lester Dudley (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: Economics*
- Johnson, May Minnie (A.M.), Wis.  
A.B., 1924, Milton College. *Major: English*
- Johnson, Regina C. (A.M.), Ohio  
B.S., 1921, George Washington University; M.D., 1921, George Washington University. *Major: Bacteriology*
- Jones, Evelyn Wellington (A.M.), D. C.  
A.B., 1921, George Washington University. *Major: Philosophy*
- Jones, Russell Morgan (M.S.), Pa.  
B.S., 1920, Pennsylvania State. *Major: Chemistry*
- †Kahn, Bernard Samuel (A. M.), N. Y.  
A.B., 1923, Columbia University. *Major: Psychology*
- †Karpeles, Lotta M. (A.M.), D. C.  
A.B., 1925, George Washington University. *Major: Psychology*
- Kefauver, Harry J. (Ph.D.), Md.  
A.B., 1900, University of Maryland; A.M., 1901, University of Maryland. *Major: Education*
- \*Kemman, Hugo Augustus (A.M.), Iowa  
A.B., 1923, George Washington University; LL.B., 1924, George Washington University. *Major: Philosophy*
- Kendrick, Elizabeth Henry (A.M.), D. C.  
A.B., 1923, George Washington University. *Major: English*
- Kennedy, Harold S. (M. S.), Texas  
A.B., 1924, George Washington University. *Major: Chemistry*
- Kerr, Mary Belle (A.M.), Mo.  
A.B., 1917, George Washington University. *Major: Archaeology*
- \*Keecker, Ward W. (A.M.), W. Va.  
A.B., George Washington University. *Major: Political Science*
- Leach, Grace Helen (A.M.), N. Y.  
A.B., 1924, New York State College. *Major: English*
- Lewis, Blanche Elizabeth (A.M.), D. C.  
A.B., 1923, George Washington University. *Major: English*
- †Lingo, Marie Tunstall (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: Architecture*
- \*Lista, Louis Joseph (A.M.), W. Va.  
A.B., 1924, George Washington University. *Major: Philosophy*
- Lister, John Harold (A.M.), D. C.  
A.B., 1914, University of Michigan. *Major: Economics*
- Loehler, John G. (M.S.), D. C.  
B.S., 1924, Lafayette. *Major: C. Engineering*
- Loehler, Paul F. (M.S.), D. C.  
B.S., 1924, George Washington University. *Major: Civil Engineering*
- Love, Katherine Stith (M.S.), Va.  
A.B., 1917, University of Richmond. *Major: Chemistry*
- \*Lovett, Laura E. (A.M.), D. C.  
A.B., 1921, Radcliffe College. *Major: English*
- Lowrey, Vernon B. (A.M.), Miss.  
A.B., 1914, Mississippi College. *Major: History*
- Lubin, Alice B. (A.M.), D. C.  
A.B., 1923, George Washington University. *Major: Sociology*
- Lundstrom, Frank (M.S.), Colo.  
A.B., 1921, George Washington University. *Major: Chemistry*
- Lupton, William Wilson (A.M.), D. C.  
B.S., 1923, University of Pennsylvania. *Major: Economics*
- \*Lyons, Robert Donlan (A.M.), S. Dak.  
A.B., 1920, University of Wisconsin. *Major: Philosophy*
- McArthur, L. E. (Ph. D.), Utah  
B.Ed., 1897, Brigham Young University  
A.B., 1916, George Washington University; A.M., 1917, George Washington University. *Major: Political Science*
- McBeth, Frank Howard (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: Spanish*
- McDarmont, Corley Perry (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: Philosophy*
- \*McFarland, Frieda W. (A.M.), Md.  
A.B., 1919, Indiana University. *Major: Economics*
- \*McIntosh, Serena (A.M.), Colo.  
A.B., 1922, Colorado College. *Major: History*
- McNish, Alvin Greene, Jr. (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: Sociology*



- \*Machlin, Benjamin (A.M.), N. Y.  
B.S., 1922, New York University.  
*Major: Education*
- MacLear, Martha (Ph.D.), N. Y.  
B.S., 1909, Columbia University;  
A.M., 1910, Columbia University.  
*Major: Education*
- MacMillan, Julia Theckla (Ph. D.), D. C.  
B.S., 1907, George Washington University; M. S., 1911, George Washington University. *Major: Zoology*
- \*MacKowske, Herman Edwin Earl  
(A. M.), D. C.  
A.B., 1922, Gallaudet College. *Major: Chemistry*
- Magruder, Mary (A.M.), Md.  
A.B., 1922, George Washington University. *Major: Education*
- Maitland, Annie Florence (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: History*
- Mallory, Walter Langdon (A.M.), Va.  
B.S., 1908, Virginia Polytechnic Institute; M.S., 1910, Virginia Polytechnic Institute. *Major: Commerce*
- Marchionna, Frederiek (M.S.), Ohio  
B.S., 1924, Case School of Applied Science. *Major: Chemistry*
- Markley, Klare Stephen (M.S.), Md.  
B.S., 1924, George Washington University. *Major: Chemistry*
- Marsden, Margaret Agnes (A.M.), W. Va.  
A.B., 1923, Trinity College. *Major: Education*
- \*Marsh, Franklin W. (M.S.), D. C.  
B.S., 1915, Massachusetts Agricultural College. *Major: Chemistry*
- Martin, Annie Early (A.M.), Va.  
A.B., 1921, Randolph Macon Women's College. *Major: Education*
- Mason, John Russell (A.M.), Md.  
A.B., 1923, George Washington University. *Major: English*
- Mason, Preston Walter (Ph. D.), Md.  
B.S., 1912, Michigan Agricultural College; M. S., 1917, Purdue University. *Major: Zoology*
- Matthews, Etta H. (A.M.), D. C.  
A.B., 1921, George Washington University. *Major: Education*
- Mayo, Bernard Joseph (A.M.), Me.  
A.B., 1924, George Washington University. *Major: History*
- Metseroth, Margaret (A.M.), D. C.  
A.B., 1921, George Washington University. *Major: Education*
- Miller, Mrs. Agnes Taylor (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: History*
- Miller, Carrie May (A.M.), Mo.  
A.B., 1923, George Washington University. *Major: Commerce*
- Miller, Donald Benjamin (A.M.), D. C.  
A.B., 1921, State University of Iowa. *Major: Education*
- \*Miller, Marion Spiers (A.M.), N. C.  
B.A., 1918, University of North Carolina. *Major: English*
- \*Milliken, Florence E. (A.M.), D. C.  
A.B., 1915, George Washington University. *Major: English*
- Morgan, Joy Elmer (Ph.D.), D. C.  
A.B., 1917, University of Nebraska; B.L.S., 1920, New York Liby. School. *Major: Education*
- Moulton, Edward Burton (A.M.), Ill.  
A.B., 1923, George Washington University. *Major: Political Science*
- \*Moulton, Stanley Cheney (M.S.), Va.  
B.S., 1918, University of Virginia. *Major: Chemistry*
- Murphy, Joseph C. (Ph. D.), Ohio  
B.S., 1922, University of Dayton; M.S., 1924, University of Dayton. *Major: Chemistry*
- Murrill, Minnie Douglas (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: English*
- Nations, Florence E. (A.M.), D. C.  
A.B., 1923, George Washington University. *Major: History*
- Neff, Paul Raymond (A.M.), Ohio  
B.S., 1923, Heidelberg College. *Major: Mathematics*
- Newcomb, Mary Anne (A.M.), D. C.  
A.B., 1917, George Washington University. *Major: Education*
- Newcombe, Josiah T. (A.M.), D. C.  
A.B., 1892, Williams College. *Major: Economics*
- \*Newlove, Isadel Elsie (A.M.), N. Dak.  
A.B., 1921, George Washington University. *Major: Commerce*
- Niemeyer, Ernestine Helena (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: Botany*
- Norman, Estella Gertrude (Ph.D.), Mich.  
B.S., 1898, Battle Creek College; M.D., 1907, American Medical Missionary College. *Major: Psychology*
- Nuchols, May C. (A.M.), D. C.  
A.B., 1915, Maryville College. *Major: Botany*
- Olcott, Margaret T. (A.M.), Va.  
A.B., 1917, Mt. Holyoke. *Major: Commerce*
- Omwake, Katherine Tait (Ph. D.), D. C.  
A.B., 1924, George Washington University; M.A., 1925, George Washington University. *Major: Psychology*
- \*Overstreet, Dorothy Louise (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: English*
- Palmer, Jesse J. W. (A.M.), D. C.  
A.B., 1923, George Washington University. *Major: Commerce*
- Parrett, Elsie M. (A.M.), D. C.  
Ph.B., 1909, Dakota Wesleyan University. *Major: English*
- \*Pect, Elizabeth (A.M.), D. C.  
B.A., 1918, George Washington University; M. A., 1923, Gallaudet. *Major: French*
- \*Peters, Melville Fuller (A.M.), D. C.  
B.S., Michigan College of Mines. *Major: Mathematics*
- Peterson, Caroline Eleanore (A.M.), Minn.  
A.B., 1923, George Washington University. *Major: Spanish*

- Phelps, Mrs. Annabelle W. (A.M.), D. C.  
B.A., 1922, George Washington University. *Major: Archaeology*
- †Pohl, Erwin Robert (A.M.), N. Y.  
A.B., 1925, George Washington University. *Major: Geology*
- Porter, Frank (Ph.D.), Mo.  
A.B., 1919, University of Missouri; M.S., 1923, George Washington University. *Major: Chemistry*
- Pucci, Dominic L. (Ph.D.), Mich.  
A.B., 1924, George Washington University. *Major: Roman Languages*
- Putman, Amy Dorothy (Ph.D.), N. J.  
A.B., 1922, George Washington University; M.A., 1923, George Washington University. *Major: English*
- Quick, Mary Elaine (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: Zoology*
- \*Rabinowitz, Harry W. (M.S.), Conn.  
B.S., 1923, Yale University. *Major: Chemistry*
- Raine, Wendell Phillips (Ph.D.), Pa.  
B.S., 1917, University of Pennsylvania; M.A., 1911, University of Pennsylvania; LL.B., 1922, George Washington University. *Major: Commerce*
- Rapp, Paul (M.S.), Pa.  
B.S., 1920, Franklin and Marshall. *Major: Chemistry*
- Redfield, Arthur Huber (M. S.), Va.  
A.B., 1913, George Washington University. *Major: Geology*
- Reed, Margaret D. (A.M.), D. C.  
A.B., 1920, George Washington University. *Major: French*
- Regan, Agnes Elisabeth (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: English*
- Regan, Ruth Ramona (A.M.), Minn.  
A.B., 1922, George Washington University. *Major: English*
- Reynolds, Hazel Vincenze (A.M.), Md.  
A.B., 1924, George Washington University. *Major: Spanish*
- Richardson, David Frederick (M.S.), Mass.  
B.S., 1923, Worcester Polytechnic Institute. *Major: Chemistry*
- \*Rister, Carl Coke (Ph.D.), Tex.  
A.B., 1915, Simmons College; A.M., 1919, George Washington University. *Major: History*
- Roat, Anna Louisa (A.M.), D. C.  
A.B., 1921, George Washington University. *Major: Spanish*
- Roberts, George Leathwhite (M.S.), D. C.  
A.B., 1924, George Washington University. *Major: Chemistry*
- Rolle, Maxine Frances (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: History*
- Rommel, George Frederick (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: Commerce*
- †Rose, Anna Lorette (Ph.D.), Pa.  
A.B., 1912, George Washington University; M.A., 1924, George Washington University. *Major: Philosophy*
- †Ross, Effie Marie (A.M.), D. C.  
A.B., 1922, George Washington University. *Major: History*
- Sale, Prentiss Dixon (M.S.), D. C.  
B.S., 1916, George Washington University. *Major: C. Engineering*
- Sandefur, Lillian Hall Mrs. (A.M.), Tex.  
A.B., 1909, Southwestern University. *Major: Sociology*
- Sargeant, Harvey O. (Ph.D.), Ala.  
B.S., 1901, Alabama Polytechnic Institute; M.S., 1902, Alabama Polytechnic Institute; M.A., 1923, George Washington University. *Major: Education*
- Santos, Paterno (Ph. D.), D. C.  
A.B., 1919, University of Philippine Islands; A.M., 1922, University of Philippine Islands; Ph.B., 1921, University of Philippine Islands; A.M., 1922, University of Philippine Islands; A.M., 1925, George Washington University. *Major: History*
- Scanlan, John Thomas (M.S.), Ill.  
B.S., 1923, University of Illinois. *Major: Chemistry*
- Selah, Miriam Hughes (A.M.), D. C.  
A.B., 1921, George Washington University. *Major: Education*
- \*Shannon, Raymond Corbett (A.M.), D. C.  
B.S., 1922, Cornell University. *Major: Zoology*
- \*Shaw, Howard Knott (A.M.), N. J.  
A.B., 1921, George Washington University; LL.B., 1924, George Washington University. *Major: History*
- \*Shea, Richard Joseph, Jr. (A.M.), Mass.  
B.A., 1924, George Washington University. *Major: Political Science*
- Shepherd, Matson Wayne (M.S.), Md.  
B.S., 1923, University of Maryland. *Major: Chemistry*
- Shewmaker, Lillian Alice (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: Spanish*
- Shuss, Letitia (A.M.), Pa.  
B.S., 1915, Columbia University. *Major: History*. B.E., 1897, Juniata College
- Smith, Edna (A.M.), Mich.  
B.A., 1920, George Washington University. *Major: Psychology*
- Smith, Elizabeth Lucile (A.M.), La.  
A.B., 1890, Knox College. *Major: Economics*
- Smith, Hazel (A.M.), D. C.  
A.B., 1923, Goucher College. *Major: Education*
- \*Smith, Hugh Stewart (A.M.), D. C.  
B.S., 1924, Northwestern University. *Major: Education*
- †Smith, Ray Leonel (M.S.), D. C.  
B.S., 1924, Kansas State Agricultural College. *Major: El. Engineering*
- Smith, Sarah F. (A.M.), S. C.  
A.B., 1924, George Washington University. *Major: Psychology*
- \*Smith, Zeula Zong (A.M.), Calif.  
A.B., 1923, George Washington University. *Major: English*



- Sotain, Heber Allen (A.M.), D. C.  
A.B., 1923, George Washington University. *Major: Education*
- Speer, Alma Jane (A.M.), D. C.  
A.B., 1913, University of Texas; B.L., 1909, North Texas College. *Major: Bacteriology*
- Spencer, Robert Clifton (A.M.), N. Y.  
B.S., 1918, Colgate. *Major: Commerce*
- Spurr, Frank Arthur (M.S.), Iowa  
B.S., 1921, George Washington University. *Major: Geology*
- Squire, Minnie Compton (A.M.), D. C.  
A.B., 1922, George Washington University. *Major: English*
- Stadler, Robert Burt (A.M.), D. C.  
A.B., 1922, George Washington University. *Major: Political Science*
- Staley, Adeline Emma (A.M.), D. C.  
A.B., 1923, George Washington University. *Major: English*
- Staples, Helen DuBois (A.M.), Va.  
A.B., 1909, Bryn Mawr College. *Major: Mathematics*
- \*Stein, Edward Thomas (A.M.), Pa.  
A.B., 1921, Princeton University. *Major: Economics*
- St. George, Raymond Alexander (Ph.D.), Va.  
B.S., 1918, Massachusetts Agricultural College; M.S., 1923, George Washington University. *Major: Zoology*
- Strong, William E. (A.M.), Mo.  
A.B., 1924, University of Montana. *Major: Prev. Med.*
- Stryeowski, Zvi Hirsch (Ph.D.), Jaffa  
A.B., 1923, George Washington University; A.M., 1924, George Washington University. *Major: Philosophy*
- Sullivan, Charles McManus (M.S.), R. I.  
B.S., 1919, Rhode Island State College. *Major: Chemistry*
- Sullivan, James Frances (A.M.), Mass.  
A.B., 1924, George Washington University. *Major: Economics*
- Swarthout, Arthur Vance (A.M.), D. C.  
B.S., 1912, Oregon Agricultural College. *Major: Economics*
- Swedenborg, Edward Andrew (M.S.), Idaho  
A.B., 1924, George Washington University. *Major: Chemistry*
- Swenson, Roy L. (M.S.), D. C.  
B.S., 1915, Kansas State College. *Major: M. Engineering*
- \*Tamura, Teijiro (A.M.), Japan  
A.B., 1913, University of Washington. *Major: History*
- Tapley, Gladys (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: English*
- Tashof, Sophia Peppers (A.M.), D. C.  
A.B., 1924, University of Michigan. *Major: English*
- Telford, Fred (A.M.), D. C.  
Ph.B., 1918, University of Chicago. *Major: Political Science*
- Te Pas, Edmund (A.M.), Ohio  
B.S., 1923, Case School of Applied Science. *Major: Physics*
- Thomas, Carroll (M. S.), Va.  
B.S., 1920, University of Richmond. *Major: Chemistry*
- Thornhill, Annie Collier (Ph.D.), Va.  
A.B., 1922, George Washington University; M.A., 1923, George Washington University. *Major: English*
- Tice, Rebecca E. (Ph.D.), Pa.  
B.S., 1916, Albright College. *Major: Pathology*
- Tietig, Chester (M.S.), D. C.  
A.B., 1923, University of Cincinnati. *Major: Chemistry*
- \*Tinley, Mary Louise (A.M.), Iowa  
A.B., 1924, Trinity College. *Major: English*
- \*Tipton, John Jacob (A.M.), Md.  
A.B., 1922, George Washington University. *Major: Geology*
- †Tolson, Hillary A. (A.M.), Iowa  
A.B., 1924, George Washington University. *Major: Commerce*
- Toohy, William Michael (M.S.), D. C.  
A.B., 1915, Rock Hill College; M.A., 1919, Rock Hill College. *Major: Chemistry*
- †Vickers, Rose Margaret (A.M.), D. C.  
A.B., 1925, George Washington University. *Major: History*
- Von Eiff, Mildred (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: History*
- Walcott, Marie E. (A.M.), D. C.  
A.B., 1923, George Washington University. *Major: Archaeology*
- Walker, Alberta (A.M.), D. C.  
A.B., 1914, George Washington University. *Major: Education*
- Warren, Donald Howe (A.M.), D. C.  
B.S., 1922, Cornell University. *Major: Preventive Medicine*
- Walter, Eva M. (A.M.), Ill.  
A.B., 1923, George Washington University. *Major: History*
- Walter, Gertrude Elizabeth (A.M.), D. C.  
A.B., 1920, George Washington University. *Major: English*
- Walters, J. E. (M.S.), D. C.  
A.B., 1915, Leland-Stanford University. *Major: Chemistry*
- Walton, George Pelham (M.S.), Ind.  
B.S., 1912, George Washington University. *Major: Chemistry*
- Wangler, John George (M.S.), N. Y.  
B.S., 1922, Syracuse University. *Major: Chemistry*
- Ward, Wesley Kyle, Jr. (M.S.), D. C.  
B.A., 1923, University of Texas; B.S., 1923, University of Texas. *Major: Chemistry*
- Webb, William Thayer (M.S.), D. C.  
B.S., 1922, George Washington University. *Major: Civil Engineering*
- Webster, Robert Alden (M.S.), Montana.  
B.S., 1914, University of Montana; E.E., 1922, University of Montana. *Major: Physics*
- Weigandt, Henri Nicola (Ph.D.), Ill.  
A.B., 1922, George Washington University; M.A., 1923, George Washington University. *Major: Political Science*

- Weihe, Ruth (A.M.), D. C.  
A.B., 1922, University of Delaware.  
*Major: Philosophy*
- Welch, Isabelle McLaren (M.S.), N. Y.  
A.B., 1919, Smith College. *Major: Chemistry*
- Wells, Arthur Wayne (M.S.), Ind.  
A.B., 1924, George Washington University. *Major: Chemistry*
- Welty, Ruth Elizabeth (A.M.), D. C.  
A.B., 1916, Wittenberg College.  
*Major: Education*
- Whitaker, Walker Sligh (A.M.), Va.  
A.B., 1909, Woffard College. *Major: Education*
- \*White, Helen Margaret (A.M.), D. C.  
A.B., 1921, George Washington University. *Major: Geology*
- †Whitney, Will Alvah (A.M.), Mass.  
B.S., 1924, Massachusetts Agricultural College. *Major: Botany*
- Whitzell, Margaret Eva (A.M.), D. C.  
A.B., 1923, George Washington University. *Major: English*
- Wilkinson, Oscar Stevenson (A.M.), D. C.  
A.B., 1923, Johns Hopkins University. *Major: Psychology*
- Willett, Hurd C. (Ph.D.), D. C.  
B.S., 1924, Princeton University.  
*Major: Physical Science*
- \*Williams, Arthur Perry (A.M.), D. C.  
A.B., 1911, Hobart College; B.S., 1913, Cornell University. *Major: Education*
- †Williams, Mathilde D. (A.M.), D. C.  
A.B., 1925, George Washington University. *Major: American History*
- \*Williamson, Ernest Russell (A.M.), Md.  
A.B., 1923, George Washington University; L.L.B., 1921, George Washington University. *Major: Education*
- †Wise, Spencer Lawrence (A.M.), D. C.  
B.S., 1924, Pennsylvania State College. *Major: Bacteriology*
- \*Woodbury, Eugene (M.S.), D. C.  
B.S., 1924, University of Utah.  
*Major: Electrical Engineering*
- Wymore, Ivy Jane C. (M.S.), Iowa  
B.S., 1918, Drake University. *Major: Chemistry*
- Yost, Myrtle Estelle (A.M.), D. C.  
A.B., 1924, George Washington University. *Major: English*

## COLUMBIAN COLLEGE

## REGULAR STUDENTS

- \*Abbott, Elizabeth V. (Gen. 0), Kans.
- \*Abellera, Alberto (Gen. 0), P. I.
- Abramowitz, Morris (Gen. 0), Conn.
- Abrams, Kenneth Watson (Pre-Legal 0), D. C.
- Abrams, Walter Scott (Gen. 0), D. C.
- Abramson, Bertha Anna (II 85), D. C.
- Abramson, Bessie (Gen. 0), D. C.
- Acce, Alfred (Pre-Legal 0), D. C.
- Ackert, Mary Sabina (Gen. 12), N. Y.
- Adams, Florence Caroline (Comm. 0), D. C.
- Adams, Jessica Chambers (Gen. 95), Pa.
- Adkins, Alma Ernestine (Gen. 0), D. C.
- †Adler, Samuel S. (Gen. 0), N. Y.
- Albright, Robert C. (Gen. 77), D. C.
- \*Albus, Frank Joseph (Pre-Legal 58), Pa.
- Albus, Paul C. (IV 60), Pa.
- Alden, Leland Milton (Gen. 50), D. C.
- Alderson, Wroe Francis (Gen. 18), Wash.
- \*Aldrich, Roseland Helen (Gen. 0), Mass.
- Alexander, Augusta (Gen. 85), D. C.
- Alexander, Susan (II 96), Ill.
- Alexander, William Wells (Gen. 0), D. C.
- Alfaro, Luis Domingo (Pre-Medical 0), D. C.
- †Alford, Charles C. (Gen. 27), Tex.
- †Allen, Lena (Gen. 0), D. C.
- \*Allen, Ray (Comm. 0), D. C.
- Allison, James Clement (Pre-Medical 0), D. C.
- Allred, Isabel (Pre-Legal 15), D. C.
- Alpert, Lily (Gen. 26), N. Y.
- Alpher, Isadore Meyer (Pre-Medical 90), D. C.
- Alter, Winifred Dickinson (Gen. 0), D. C.
- Altman, Van Maier (Comm. 0), W. Va.
- Amisgh, Howard Carlton (Comm. 33), N. Y.
- \*Amaden, Monroe (Gen. 0), N. Mex.
- Anderson, C. Charles, Mich.
- \*Anderson, Edith A. (IV 62½), Ill.
- Anderson, Elin (Comm. 63), N. Y.
- Anderson, Gunhilde C. (Gen. 39), Pa.
- \*Anderson, Mabel Mae (Gen. 0), D. C.
- Anderson, Wallace Gordon (Comm. 28), Wis.
- †\*Andrews, Myrle (Pre-Legal 0), D. C.
- Appich, Eleanor Lindsay (Gen. 0), D. C.
- †\*Archer, Arthur L. (Gen. 0), N. Dak.
- Armentrout, Elizabeth Sites (Gen. 30), D. C.
- \*Arosemeur, Jose Alberto (Pre-Medical 0), D. C.
- Arrington, Hazel Nash (Gen. 9), Missa.
- Arrington, Paul Jackson (Comm. 0), Va.
- Arrowsmith, Jean M. (Gen. 37), Pa.
- †Arts, Walter William (Gen. 0), D. C.
- \*Ashe, Eleanor Marie (Gen. 0), D. C.
- †\*Ashenden, Vivian Marie (Gen. 0), Calif.
- \*Aton, Ralph Presley (Comm. 120), D. C.
- Athey, Leslie E. (Pre-Medical 27), D. C.
- Atkins, Grace Julia (Gen. 0), D. C.
- Atwater, David Thomas (Gen. 56), Ohio
- Aud, Kathleen Louise (Gen. 21), Md.
- Aud, Susan E. (Gen. 30), Md.
- Aviles, Pablo Medina (Pre-Medical 0), P. R.
- †Aylor, Virginia Warren (Gen. 0), D. C.
- Ayres, Pauline (II 95), Kans.
- Baber, John Marion (Pre-Medical 0), D. C.
- Babb, Pauline Kleinhaus (Gen. 30), D. C.
- Bacheller, Alice (Gen. 74), Mass.
- Baggett, Howard Mason (Comm. 18), Va.
- \*Bair, Ida M. (Gen. 0), Ill.
- Bair, Sadie B. (Gen. 6), Iowa
- \*Baker, Ahda A. (Gen. 16), Mass.
- \*Baldwin, Jacob H. (Gen. 16), D. C.



- Bales, Louise P. (Gen. 70), Ky.  
 Ballah, Cleve (II 6), W. Va.  
 Ballance, Hurdlen R. (Pre-Legal 0), Ill.  
 Ballard, Charles A. (Comm. 0), D. C.  
 Balster, Charles K. (Gen. 0), D. C.  
 Balter, Benedict (Pre-Legal 61), Pa.  
 Bane, Vivian D. (Gen. 30), D. C.  
 \*Banks, Charles E. (Pre-Legal 0), Pa.  
 Bannerman, Catherine T. (Gen. 0), D. C.  
 Bannerman, Louise M. (VI 70), D. C.  
 Bureus, Charles W. (Gen. 0), Tex.  
 Barker, Wallace (Gen. 0), D. C.  
 Barnhart, Helen V. (Gen. 0), D. C.  
 Barnhart, Ruth A. (Gen. 0), D. C.  
 Barr, Mary Frances (Gen. 51), D. C.  
 Barroll, Eleanor K. (Gen. 60), Md.  
 Barron, Sylvan Lee (Pre-Legal 0), Md.  
 \*Bartley, Boss (II 18), Mo.  
 Bartley, Dorothy Virginia (Gen. 48), D. C.  
 Barton, Elaine (Gen. 3), Md.  
 †Bartsch, Henry G. (Gen. 0), D. C.  
 Bassett, John Earl (Gen. 18), D. C.  
 Bates, Marian P. (Gen. 30), D. C.  
 \*Battle, Mary White (Gen. 0), D. C.  
 Bauer, Emma Barbara (Pre-Legal 51), Pa.  
 Baular, Irma Margaret (Gen. 0), D. C.  
 Bayne, Hazel M. (Gen. 117), N. Y.  
 Beagle, Regina V. (Gen. 0), D. C.  
 Bealer, Carter N. (Gen. 116), D. C.  
 Bealer, Dorothea (Gen. 0), D. C.  
 \*Bealer, Lewis W. (Comm. 21), Ga.  
 Beam, Vernon B. (Pre-Medical 31), D. C.  
 Bean, Gladys (Gen. 32), Va.  
 \*Beard, Burr A. (Pre-Legal 0), Iowa  
 Beattie, Wilford D. (Comm. 111), Utah  
 \*Beaton, Catherine M. (Gen. 0), Col.  
 Beattie, May (Gen. 0), Va.  
 Beatty, Albert R. (Pre-Legal 0), D. C.  
 Beck, Marjorie S. (Gen. 30), Md.  
 Becker, Rose E. (Gen. 39), Ind.  
 Beckett, Muriel H. (Gen. 84), D. C.  
 Beech, James Charles (Gen. 99), Pa.  
 Beech, Lillian P. (Gen. 0), Md.  
 Beechwood, George Eugene (Gen. 86), Kans.  
 Beede, Kenneth C. (Pre-Legal 27), N. H.  
 Bell, Elizabeth G. (Gen. 28), N. Y.  
 Bell, Hannah P. (Gen. 0), Nova Scotia  
 Bell, Helen E. (Gen. 0), Mo.  
 Bell, Isabella M. (Gen. 34), N. Y.  
 \*Bender, Iva A. (Gen. 72), Ind.  
 \*Bendheim, Leroy S. (Pre-Legal 0), Va.  
 Bennett, Jean (Gen. 9), Ky.  
 Bennett, Katherine E. (II 12), Ky.  
 Benson, Jesse Elmer (Gen. 0), Md.  
 \*Bergan, John P. (Pre-Legal 57), Ill.  
 Bergin, May C. (Gen. 69), D. C.  
 Berman, Samuel B. (Pre-Medical 60), D. C.  
 Berry, Edwina (Gen. 78), Miss.  
 \*Berry, Elizabeth Miller (II 36), D. C.  
 Berry, J. E. (Gen. 10), S. C.  
 Berryhill, Guy Robinson (Comm. 0), D. C.  
 \*Best, Bessie Janet (Gen. 6), Pa.  
 Bettleheim, Edwin S. Jr. (Gen. 37), D. C.  
 Bickford, Mildred F. (Gen. 0), D. C.  
 Bichro, Mary (Gen. 15), Ky.  
 Biggs, William J. (Gen. 57), D. C.  
 Bigos, Elizabeth (Gen. 48), D. C.  
 Bigos, Mary M. (Comm. 24), Pa.  
 Bilu, Anna Louise (Gen. 0), Ohio  
 \*Binning, Harold J. (Gen. 0), D. C.  
 Birdseye, Charles W. (Pre-Legal 0), D. C.  
 Birmingham, Charles A. (IV 18), Conn.  
 Bischoff, Anna M. (II 52), Va.  
 Bishop, Ann Upham (Gen. 26), D. C.  
 †Bishop, Hagen P. (Gen. 0), Mich.  
 Bitman, Samuel (Gen. 0), D. C.  
 Black, Lydagene (Gen. 0), D. C.  
 Black, Margaret (II 64), Tex.  
 Blackstone, Virginia (Gen. 0), D. C.  
 Blake, Nelson M. (I 87), Md.  
 Blandford, Agnes C. (Gen. 0), D. C.  
 \*Blanz, Clarence T. (Gen. 0), D. C.  
 Bloom, Joseph (Pre-Medical 34), N. Y.  
 Blount, Henry F. (Pre-Medical 0), Fla.  
 \*Blue, Harry G. (Gen. 54), N. C.  
 Blushdorn, William R. (VI 52), Conn.  
 Blumenfeld Rose B. (Gen. 0), Va.  
 Blythe, John Henry (Gen. 3), Ky.  
 Boardman, Florence (Gen. 6), Mass.  
 Boardman, Leona (III 101 1/2), Ohio  
 Boss, Thenton D. (Pre-Medical 46 1/2), Ky.  
 Bockhaus, Gordon William (Pre-Medical 24), Va.  
 Boettcher, Allen M. (V 94), D. C.  
 \*Bogardus, Hester M. (Gen. 73 1/2), D. C.  
 \*Bogart, George (Gen. 25), Md.  
 †Bogorad, Clara (Pre-Medical 0), D. C.  
 Bogorad, Samuel (Pre-Legal 0), D. C.  
 Bogue, Delia F. (Gen. 0), D. C.  
 Bond, Enson J. (Gen. 75), Ga.  
 Bondurant, John Charles (Comm. 0), Fla.  
 Bondurant, Ruth A. (Gen. 0), D. C.  
 Bonifant, James C. (Pre-Legal 34), Va.  
 \*Bontar, Henry S. (Pre-Legal 12), D. C.  
 Bocher, Ivan C. (VI 52 1/2), Ill.  
 Booth, Helen C. (II 6), D. C.  
 Booth, Jessie (Gen. 34), D. C.  
 Booth, Nina M. (II 66), N. Y.  
 Borden, Hazel A. (III 68 1/2), Mass.  
 Borell, John (Pre-Medical 54), Conn.  
 Boswell, Margaret B. (Pre-Legal 12), D. C.  
 Bowen, Paul Ivan (Comm. 0), Pa.  
 Bowen, Sarah Henrietta (Gen. 30), D. C.  
 Bowers, Charles W. (Pre-Medical 22), W. Va.  
 Bowker, Marian (II 108), D. C.  
 Bowman, Joseph M. (Gen. 0), Va.  
 Box, John Calvin (Pre-Legal 27), Tex.  
 Boyd, Helen Marie (Gen. 60), D. C.  
 Boyd, James M. (Pre-Legal 0), Utah  
 Boyden, Robert C. (Pre-Medical 67), N. Dak.  
 Boyer, Milton M. (Pre-Medical 0), Md.  
 Braddy, Susan A. (Gen. 6), N. C.  
 Bradford, Elizabeth H. (Gen. 82), D. C.  
 \*Bradnack, Grace B. (Gen. 0), D. C.  
 Brady, Maurice K. (III 10), Conn.  
 Bragg, Henry Peyton  
 Brake, Katherine (II 51), D. C.  
 Brails, Gertrude (Gen. 0), Iowa  
 Brall, Mildred A. (Gen. 0), D. C.  
 Brand, Vance (Pre-Legal 0), Ohio  
 Brandenburg, Elizabeth (Gen. 0), D. C.  
 Brandt, Paul Fred (Gen. 73), D. C.  
 \*Brashears, Jennie May (Gen. 0), Va.  
 \*Brashears, Russell E. (Gen. 0), D. C.  
 \*Brashears, Ruth (Gen. 0), D. C.  
 Braswell, Marie L. (Comm. 0), D. C.  
 Brawner, John F. (Gen. 10), D. C.  
 Breakstone, Jerome Louis (Gen. 0), D. C.  
 Brennon, Laura S. (Gen. 0), D. C.

- Breslin, Edward A. (Pre-Legal 0), Pa.  
 Breslow, Samuel (Pre-Medical 0), N. J.  
 Bridges, Ildria (IV 117 1/4), Ill.  
 Briggs, Warren Lee (Gen. 26), Mo.  
 Brill, Isadore (Pre-Medical 33), D. C.  
 †Brillhart, Mary H. (Gen. 0), D. C.  
 Brokaw, Marta (Gen. 6), D. C.  
 \*Bromell, John R. (Comm. 117), Pa.  
 Brooke, Walter Carroll (Gen. 0), D. C.  
 Brookhart, Smith W. (Pre-Legal 32 1/4), Iowa  
 Brooks, Janeiro V. (Pre-Medical 65), D. C.  
 Brown, Augusta H. (III 30), D. C.  
 Brown, Elmer Germaine (General 57), Md.  
 Brown, Elmer Glenwood (Gen. 33), D. C.  
 \*Brown, Helen Maria (Gen. 0), N. Y.  
 Brown, Josephine P. (Gen. 34 1/4), N. Y.  
 Brown, Margaret L. (Gen. 73), N. C.  
 \*Brown, Mary Agnes (Gen. 0), Md.  
 Brown, Omar Jesse (IV 82), N. C.  
 Brown, Raymond H. (Gen. 45), D. C.  
 Brown, Russell M. (Gen. 34), D. C.  
 Brown, Virginia Engle (Gen. 0), Pa.  
 Browne, Irma C. (IV 90), N. Y.  
 Bruner, Kenneth H. (Comm. 120), Ind.  
 Brunner, Charles Calvin (Gen. 0), D. C.  
 Brunschwig, Lily (Gen. 34), D. C.  
 Bryan, Frank Bruce (Pre-Legal 3), D. C.  
 Bryan, William D. (Pre-Medical 6), D. C.  
 Bryant, Helen Loring (Gen. 105 1/4), Minn.  
 Bucia, Simplicio (II 61), P. I.  
 Buck, Everett Henry (Gen. 9), D. C.  
 Buck, Sherman D. (Pre-Legal 0), D. C.  
 Buckingham, Charles T. (Pre-Medical 81), Pa.  
 Buckingham, Donald (Gen. 0), D. C.  
 \*Buckley, Irene C. (Gen. 0), D. C.  
 Budlong, Herbert N. (Pre-Medical 0), D. C.  
 Busell, Ellen M. (II 68 1/4), Va.  
 \*Buerkle, Luening Herbert (Comm. 0), Ohio  
 Bullard, Mary Waldo (Gen. 0), Mo.  
 Burnstead, Helen (Gen. 28 1/4), Mass.  
 Bunten, Eva Isabel (I 101), D. C.  
 Burbank, Virginia (Gen. 0), Md.  
 Burgess, Sabra O. (Gen. 86), Ind.  
 Burke, Charles O. (Pre-Legal 0), Ill.  
 \*Burke, Stella (Gen. 75), D. C.  
 \*Burklin, Alethesa B. (Gen. 0), D. C.  
 Burklin, Sallie J. (Gen. 12), D. C.  
 †Burnett, Merle (Gen. 0), Ill.  
 Burns, Frederick R. (Gen. 9), Ohio  
 Burnside, Merrill D. (Gen. 0), D. C.  
 Burnstein, Henry (Pre-Medical 0), D. C.  
 Burr, Harold S. (Gen. 0), Conn.  
 Burriss, William F. (Gen. 12), D. C.  
 Burritt, Loren (Gen. 126), D. C.  
 \*Bursley, Howard (Gen. 0), D. C.  
 Burton, Elizabeth (IV 54), D. C.  
 Bush, Floyd W. (Comm. 30), Tenn.  
 Bush, Grace (Gen. 21), D. C.  
 Bush, Henry C. (IV 113), Ind.  
 Bushman, Vernon Louis (Gen. 0), Minn.  
 Bushong, James C. (Gen. 0), Md.  
 \*Butts, Ruth E. (Gen. 101), Va.  
 Byington, Irvin Cecil (Gen. 114), Tenn.  
 \*Caldwell, Joseph Presley (Pre-Medical 18), Pa.  
 †Callahan, William S. (Gen. 0), Ky.  
 †Cameron, Louisa Belle (Gen. 0), D. C.  
 Camfield, Lionel H. (IV 53 1/4), D. C.  
 Campbell, Alexander P. (Gen. 6), Pa.  
 Campbell, George K. (Pre-Medical 0), Ill.  
 Campbell, Grotchen (Gen. 86), Pa.  
 \*Campbell, Henry Curry (Gen. 122), D. C.  
 Campbell, Marion (Gen. 28 1/4), Pa.  
 \*Campbell, Merrill R. (Gen. 6), Kans.  
 \*Campbell, Neil Porter (Pre-Legal 32), D. C.  
 Campbell, Warren B. (Gen. 0), Mich.  
 \*Cannon, Herbert D. (Gen. 0), Ark.  
 Cantrell, Lawson James (Gen. 108), Tex.  
 Caples, Joseph T. (Pre-Medical 24), Tenn.  
 Caplin, Gertrude (Gen. 0), D. C.  
 Caras, Antonios (Pre-Medical 0), Pa.  
 Carey, Stephen (Pre-Legal 33), N. J.  
 Carlson, Elsie (Gen. 104), Neb.  
 †Carman, Bessie C.  
 \*Carmen, Charles Duffy (Pre-Medical 0), D. C.  
 Carr, Alice Henrietta (Gen. 24), D. C.  
 Carr, Margaret J. S. (II 76), Md.  
 Carter, Dolores (Comm. 0), D. C.  
 Carter, George Rex (Gen. 22), D. C.  
 Carter, Robert Cox (III 61), Ind.  
 Casanges, Alexander (III 62), D. C.  
 \*Caskey, Merritt E. (Gen. 24), D. C.  
 \*Caskey, Vance (Comm. 0), D. C.  
 Cass, Billie (Pre-Medical 50 1/4), Va.  
 Castleman, Frances F. (Gen. 159), Va.  
 \*Caudill, Arley T. (Gen. 0), D. C.  
 Cavanaugh, Jeanette (II 15), D. C.  
 Chace, Mary Louise (Gen. 48), N. Y.  
 Chace, Olive (Gen. 30), D. C.  
 Chamberlain, Beulah Lee (Comm. 15), S. C.  
 Chamberlin, Herbert S. (Gen. 0), D. C.  
 \*Chambers, Laura Elizabeth (Gen. 0), Va.  
 Chandler, Eleanor M. (Gen. 0), D. C.  
 Chang, Herman H. M. (Gen. 0), D. C.  
 Chapman, Elsie F. (II 55), Wash.  
 Chapman, Gertrude (Comm. 24), Mo.  
 Chapman, Lucile B. (Gen. 0), D. C.  
 Chapman, Roberta (II 91), Va.  
 Chase, Harriett Mae (Gen. 8), D. C.  
 Chase, Helen (Gen. 12), D. C.  
 Chase, William David (Gen. 84), D. C.  
 \*Chaves, Manuelita A. (Gen. 46), N. Mex.  
 \*Cheatham, W. D. (Gen. 0), D. C.  
 Cheyney, Jesse S. (Gen. 44), Va.  
 Childs, St. Julien R. (Gen. 62), D. C.  
 Chisholm, Mary-Eunice (Gen. 0), Md.  
 Christie, Edith F. (Gen. 27), Mich.  
 †Christopher, Clyde Burroughs (Gen. 0), Mich.  
 Clapham, Isabel G. (Gen. 0), D. C.  
 †Clapper, Emory W. (Gen. 0), Pa.  
 \*Clark, Frank Moon (IV 0), D. C.  
 Clark, Helen Angela (Gen. 70), D. C.  
 †Clark, Helen Charlotte (Gen. 0), D. C.  
 Clark, Howard S. P. (Gen. 21), D. C.  
 Clark, Stanley Aubrey (Pre-Legal 54), Okla.  
 Clary, Joseph Freeman (Gen. 0), D. C.  
 Claudy, Carl H., Jr. (Comm. 14), D. C.  
 Clementa, Francis W. (IV 56), D. C.  
 Clementa, William H. (Pre-Medical 0), D. C.



- Cleveland, Marion Elinor (Gen. 109), Md.  
 Cleveland, Washington Irving (Gen. 98 1/2), Md.  
 \*Clinkenbeard, Alice Louise (Gen. 0), Iowa  
 \*Clough, Margaret Evelyn (Gen. 0), D.C.  
 Coakley, Walter F. (V 105), Ohio  
 \*Cobb, Auda D. (Gen. 55), Mo.  
 Coblents, Cate Catherine E. (Gen. 30), D. C.  
 Cooke, Alice (Gen. 0), Md.  
 \*Cooke, Virginia Scott (Gen. 30), D. C.  
 \*Coe, Ada Ball (Gen. 48), Md.  
 Coe, Lowrey N. (Gen. 0), D. C.  
 Cohen, Nathan (Pre-Medical 36), N. J.  
 Cohen, Reuben (Gen. 0), Conn.  
 Cohen, Sigmund (Gen. 0), Va.  
 Colbert, Alice (Gen. 95), D. C.  
 \*Cole, Clyde W. (Pre-Medical 0), D. C.  
 Cole, John Will (Gen. 0), D. C.  
 Cole, Margaret (Gen. 36), D. C.  
 Cole, Mary J. (Pre-Legal 32), Pa.  
 Cole, Ruth (Gen. 12), D. C.  
 Collier, Grace Winslow (Gen. 24), D. C.  
 \*Collier, Raymond Jones (Gen. 0), D. C.  
 Collins, Bernice K. (Gen. 51), Pa.  
 Collins, Joan Ruth (Gen. 48), D. C.  
 Collins, William Moore (I 24), Pa.  
 Collis, Fern (Gen. 0), Md.  
 \*Comley, Thelma Maud (II 36), Va.  
 Conerly, Thelma Maye (Gen. 15), Miss.  
 Congdon, Richard Gates (Gen. 97), N. J.  
 Connolly, Helen L. C. (IV 5), Mass.  
 Cook, Charles Morris (II 84), D. C.  
 Cook, Claude A. (Gen. 9), Okla.  
 Cook, Edward Russell (Gen. 0), Md.  
 Cook, Elizabeth Marcia (Comm. 34), Pa.  
 Cook, Gertrude S. (Gen. 21), D. C.  
 Cook, Hildreth H. (II 75), Ga.  
 \*Cook, Mary T. (II 15), D. C.  
 Cooper, Charles T. (Gen. 13), D. C.  
 Cooper, Harold H. (Gen. 0), D. C.  
 Cooper, June (Pre-Medical 105 1/2), D. C.  
 Cooper, Sybil L. (Comm. 28), Iowa  
 Cooper, Virginia Marion (Gen. 0), D. C.  
 Copenhaver, William C. (Comm. 0), D. C.  
 Corey, Hilda Irene (II 97), N. H.  
 Corey, James Edson (Gen. 22), D. C.  
 Corning, Marcella Isabella (Gen. 0), D. C.  
 \*Corning, Margaret W. (Gen. 0), D. C.  
 Coughlin, Frances (Gen. 12), D. C.  
 \*Couture, Mildred L. (I 120), N. H.  
 Covington, Hilburn Pace (Pre-Legal 18), Miss.  
 Cox, Christine (Gen. 9), Va.  
 Coyne, Aileen Mercedes (Gen. 0), D. C.  
 Craigbill, Alexander Lee (II 31), D. C.  
 \*Cramer, Alma H. (VI 120), D. C.  
 Cramer, Ralph W. (Pre-Medical 110), D. C.  
 †Crane, Helen Gardener (Gen. 0), Mo.  
 \*Cranford, Joseph (Gen. 0), D. C.  
 \*Cranston, Bryant B. S. (II 81), D. C.  
 Craven, Lewis Herman (Gen. 0), D. C.  
 \*Craven, Robert (VI 39), D. C.  
 Craver, Harry (Gen. 0), W. Va.  
 Crawley, Catherine A. (Gen. 0), Md.  
 Creel, Annie L. (Pre-Legal 0), D. C.  
 Crews, Joseph Sharrell (Pre-Legal 82 1/2), N. C.  
 Crews, Sybil R. (Gen. 0), D. C.  
 †Crofts, Leroy Arthur (Pre-Legal 24), Wyo.  
 Croissant, Eula Lucille (Gen. 0), D. C.  
 Croissant, Dorothy (Gen. 30), D. C.  
 Cromer, Kenneth (II 30), Va.  
 Crowder, Kathryn Estelle (Gen. 0), Miss.  
 Crowell, Ray (IV 36), D. C.  
 Crump, Leta Mae (Gen. 2 1/2), D. C.  
 \*Crutchley, Harry Clifton (Gen. 33), Va.  
 Cuatt, Fannie L. (Pre-Medical 38), N. Y.  
 Cullen, Thomas A. (Gen. 12), N. J.  
 \*Culley, Catherine L. (Gen. 12), D. C.  
 Curran, Mary Belle (Gen. 15), D. C.  
 \*Curran, Mildred Eleanor (Gen. 47), D. C.  
 Curtiss, Robert R. (Gen. 0), D. C.  
 †Cushing, Ernest R. (Comm. 6), Va.  
 \*Dahl, Myra (Gen. 25), Iowa  
 Dahlberg, Nan A. (II 51 1/2), Mich.  
 Dake, Lucy R. (Gen. 36), Va.  
 \*Dalby, Henry B. (Comm. 0), D. C.  
 Dale, Christine (Gen. 108), D. C.  
 †Dale, Lois (Gen. 100), Ark.  
 \*Dalton, Maybelle E. (Gen. 0), D. C.  
 Daly, Marguerite M. (Gen. 76), D. C.  
 \*Daniel, Rex Emerson (Gen. 28), Pa.  
 Darton, Annunciata (II 82), D. C.  
 \*Dauby, Joseph (Gen. 0), Ill.  
 \*Daugherty, Walter E. (Gen. 0), D. C.  
 Dauler, Mary M. (Gen. 0), Pa.  
 Davenport, Mortimer H. (Gen. 3), D. C.  
 Davey, Freeda May (Gen. 32), Pa.  
 Davidson, Gilbert A. (Comm. 16), Calif.  
 Davis, Evelyn (Gen. 87), D. C.  
 Davis, Frances Jennings (II 84), D. C.  
 Davis, James White (Gen. 0), D. C.  
 Davis, John Clive (Gen. 50), Utah  
 Davis, Miriam (Gen. 14), Calif.  
 Davis, Walter S. (Pre-Medical 25), D. C.  
 Davison, Clarence C. (Comm. 30), N. J.  
 Davison, Lonnelle G. (Gen. 42), D. C.  
 †Day, Emily L. (Gen. 0), N. Y.  
 Day, Helen (Gen. 0), Md.  
 Day, Katherine S. (Gen. 6), D. C.  
 Day, Winifred P. (Gen. 42), D. C.  
 \*Deaton, Linda (II 118), Ohio  
 Deaton, Lois (II 92), Ohio  
 DeBaryshe, Corinne (Gen. 0), D. C.  
 \*Deibler, David H. (Pre-Legal 120), Md.  
 †DeKay, Elizabeth Mary (Gen. 0), Va.  
 D'Elia, Louis George (Pre-Medical 27), N. J.  
 Dement, Melissa (Gen. 0), Miss.  
 Dendinger, Gertrude M. (Gen. 82), Neb.  
 Dendinger, Kathryn B. (V 6), Neb.  
 Dengler, Ernest H. (Pre-Medical 0), D. C.  
 Dennis, Milton L. (Pre-Legal 30), Md.  
 Dermott, Beulah A. (Gen. 0), D. C.  
 †Desautles, Lucienne M. (Gen. 0), Mass.  
 DeSilvia, Maxine M. (Gen. 0), D. C.  
 \*de Souza, Alfreda E. (Gen. 9), D. C.  
 Detweiler, Donald J. (Gen. 66), D. C.  
 Deuterman, Joel L. (Pre-Medical 99), Va.  
 Devitt, G. R., Jr. (Comm. 55), Va.  
 \*DeWitt, John R. (Gen. 103), Ohio  
 Dick, Dorothy K. (Gen. 6), Colo.  
 Dickinson, Eldred G. (Comm. 0), D. C.  
 \*Dickinson, Levi Call (Pre-Legal 31), Iowa  
 Didden, Marie (Gen. 30), D. C.  
 Dietrich, Albert (Pre-Legal 0), Pa.  
 Diets, John Edward (Comm. 11), D. C.  
 †Dill, Mary Elizabeth (Gen. 0), Ind.  
 Dillon, Alexander E. (Pre-Medical 0), D. C.

- \*Dimon, Anne (Gen. 0), D. C.  
 Dishmon, Lyman H. (Gen. 30), D. C.  
 Disney, Dorothy Cameron (II 79), Okla.  
 Disney, Loren Garrison (Gen. 0), Okla.  
 Dixon, Thomas W. (Pre-Medical 41), N. Y.  
 Dobkin, Joseph J. (Pre-Medical 0), D. C.  
 Dodge, Sidney W.  
 Donahue, George J. (Pre-Medical 11), D. C.  
 Donaldson, Frances G. (Gen. 102½), N. Y.  
 \*Donellan, Jeanette Marie (Gen. 0), N. Y.  
 Dorsey, Elizabeth (Gen. 58¼), D. C.  
 Dort, Sarah White (Gen. 70), D. C.  
 \*Doutson, Anna L. (II 15), Ill.  
 Dougherty, Dorothy (II 65), N. Y.  
 \*Douglas, Elsie Y. (IV 118), Fla.  
 \*Dovener, Robert F. (Gen. 0), Md.  
 Dow, Alice Hulce (Pre-Medical 50), D. C.  
 Dowd, Frank Joseph (Gen. 43), Mass.  
 Draeger, Anna Evelyn (Gen. 0), D. C.  
 Drake, Charlotte M. (Gen. 0), Va.  
 Dreebelbis, Clarence E. (Gen. 0), D. C.  
 †Drury, Abner Bernard (Gen. 0), D. C.  
 Duffy, John A. (Comm. 6), N. Y.  
 \*Duke, Beatrice Pauline (Pre-Legal 15), D. C.  
 Durand, Mildred May (Pre-Legal 0), D. C.  
 Durr, Franklin A. (Gen. 0), Md.  
 Durr, Gordon V. (Gen. 0), Md.  
 Dutton, Lillian B. (Gen. 67), D. C.  
 Dwyer, Adelaide (Gen. 4), D. C.  
 Dye, Geneva Margaret (Pre-Medical 0), D. C.  
 Dyke, William A. D. (Pre-Medical 62), N. Y.  
 Eagan, Francis (Gen. 0), D. C.  
 Edelson, Milton, (Pre-Legal 0), D. C.  
 Edler, Karl (Gen. 82), D. C.  
 \*Edmiston, Neva (VI 30), D. C.  
 Edmonston, Katherine Virginia (Gen. 90), D. C.  
 \*Edwards, Clyde S. (Gen. 0), D. C.  
 Edwards, John E. (Gen. 12), D. C.  
 †Edwards, Walter G. (Gen. 12), N. C.  
 Ehret, Florence E. (Pre-Legal 0), N. J.  
 Ehrman, Joseph (Pre-Medical 0), D. C.  
 Eicher, Virginia G. (Gen. 0), Pa.  
 †Eidhammer, Carolyn E. (Gen. 0), Va.  
 Eiker, Georgia G. (Gen. 0), D. C.  
 Eldridge, Willard G. (Gen. 9), D. C.  
 Elefsinides, Lois (Gen. 0), D. C.  
 Eliason, Howard R. (Comm. 31), D. C.  
 \*Elliot, George E. (Gen. 42), D. C.  
 Ellis, Marion F. (Gen. 0), D. C.  
 \*Ellison, Lettie M. (Gen. 0), Tex.  
 \*Elmore, Edith Sutherland (Gen. 18), D. C.  
 Engler, William (Gen. 120¼), N. Y.  
 Enis, T. Wright (Gen. 70), Miss.  
 Enyart, Byron K. (Pre-Medical 0), D. C.  
 Epstien, Simon (Gen. 0), D. C.  
 †Erechler, Irving (Gen. 0), N. Y.  
 Ervin, Raymond Weeks (Gen. 0), Md.  
 Espey, Anna Louise (Gen. 96), D. C.  
 Espinosa, J. Edmundo (Comm. 0), N. Mex.  
 Esteves, Juan (Pre-Legal 76), D. C.  
 Evans, Allen G. (Gen. 40), D. C.  
 Evans, Charles W. (Gen. 0), D. C.  
 †Evans, Harvey Lee (Gen. 0), D. C.  
 \*Evans, Mary Elizabeth (Gen. 0), Va.  
 Evans, Rose E. (Gen. 3), Pa.  
 Everett, Edward Milton (Pre-Legal 59), Tex.  
 Ewin, Mary (Gen. 0), D. C.  
 †Faulden, Anna G. (Gen. 0), Va.  
 Faisse, Nera (Gen. 0), D. C.  
 Falek, Leidy James (Gen. 28½), Utah  
 Fallon, Margaret S. (Gen. 94), D. C.  
 Faries, John S. (Pre-Medical 111), D. C.  
 Fauntleroy, Frances D. (Gen. 56), D. C.  
 Fauntleroy, Mary Hamilton (Gen. 117), D. C.  
 Fawcett, Margaret E. (Gen. 0), D. C.  
 †Feelemyer, Christine (II 6), Md.  
 Fetterhoff, Charles E. (Comm. 18), Pa.  
 Field, Dorothy Hood (Gen. 0), D. C.  
 Fierstone, Cleon King (Pre-Legal 0), Pa.  
 \*Finkel, Pauline Louise (Gen. 0), D. C.  
 †Finkelstein, Abe Samuel (Gen. 0), N. J.  
 Finney, Edith Elisabeth (Gen. 60), D. C.  
 \*Fischer, Roy Walker (Gen. 0), D. C.  
 Fisher, Edward (Comm. 36), Wis.  
 Fisher, Frances M. (II 64), D. C.  
 \*Fisher, Vestal Isabel (Pre-Legal 0), N. Y.  
 Fisk, Clarence W. (IV 89¼), Md.  
 †Fisk, Katherine Louise (Gen. 0), D. C.  
 Fitzpatrick, Rosemary (Gen. 0), W. Va.  
 Flack, Murray Marion (Pre-Legal 80), Tex.  
 Flagg, Grace Lillian (Gen. 28), D. C.  
 Fleming, Hadassah (Gen. 72), D. C.  
 Fleming, William W. (Gen. 0), D. C.  
 Fletcher, John Raymond (IV 27), D. C.  
 Flohr, M. Carroll (V 78), D. C.  
 Flood, Lester C. (II 47), Conn.  
 Flournoy, Harold H. (Pre-Medical 0), D. C.  
 Fluckey, Frances Lucile (Gen. 7), D. C.  
 Fly, W. Graham (Gen. 36), Ill.  
 \*Folger, Frederick M. (Comm. 0), S. C.  
 Foltz, Eleanor Beverly (IV 60), Va.  
 Fonalledas, Jaime (Pre-Legal 0), P. R.  
 Foot, Paul (Comm. 59), Minn.  
 \*Ford, D. Reese, Jr. (Pre-Legal 0), Ohio  
 Ford, John Arthur (Comm. 0), D. C.  
 Ford, Regina Marceline (Gen. 0), R. I.  
 \*Fort, John Edward (IV 94¼), D. C.  
 Fortgang, Harry King (Pre-Medical 30), N. Y.  
 \*Foster, Grace T. (Gen. 81), Md.  
 Foster, Ruth Vermont (II 90), D. C.  
 France, Ramon D. (III 77), Tenn.  
 Frankenhoff, Frances Johanna (Gen. 0), Kans.  
 Franklin, Dorothy May (Gen. 0), D. C.  
 \*Franklin, Louise Elizabeth (Gen. 0), D. C.  
 Fraser, Charles (II 30), Md.  
 Frazier, Melvin Sidney (Gen. 0), N. D.  
 Frazier, Unie Mae (Gen. 58), D. C.  
 Frazier, Vernon Allen (Gen. 0), N. Dak.  
 Frazier, Versie F. (Gen. 58), D. C.  
 Fred, Ethel Wolfe (Gen. 0), D. C.  
 Frederick, Harold Newman (Comm. 6), Minn.  
 Freedman, Alexander (VI 64), D. C.  
 Fridell, Eva (Gen. 18), D. C.  
 Frost, Beulah M. (VI 43), Minn.  
 Fruchter, Harold (Pre-Medical 72), N. Y.  
 Frydell, Thomas Atkins (Gen. 0), D. C.  
 Fulkerson, Katherine Alleman (Gen. 8), D. C.  
 \*Fulka, Lillian Frances (Gen. 0), Md.



- \*Fuller, Ellen C. (Gen. 13), Va.  
 \*Fuller, Violet Catherine (Gen. 0), Tex.  
 Furbershaw, James F. (Gen. 93), D. C.  
 \*Furey, Cecilia Elizabeth (Comm. 0), D. C.  
 Furnas, Phoebe (Gen. 90), Va.  
 Fusch, Emma Tom (Gen. 8), Tenn.  
 \*Fussell, Edith V. (Pre-Legal 13), Fla.  
 \*Futterer, Susan O. (Gen. 0), Md.  
 Gable, Paul D. (Pre-Legal 106), D. C.  
 Gaddy, V. L. (Gen. 0), D. C.  
 Gallagher, Edward (Gen. 0), D. C.  
 Galloway, Roberta B. (Gen. 0), D. C.  
 Gancey, Honora A. (Pre-Legal 0), D. C.  
 \*Gannaway, Grace May (II 36), D. C.  
 \*Gardella, Anthony L. (II 30), D. C.  
 \*Gardiner, Harold L. (Gen. 0), R. I.  
 \*Gardner, Bessie Ruth (III 86), D. C.  
 Gardner, George N. (Gen. 30), Kans.  
 Gardner, Helen Wood (Gen. 0), D. C.  
 †Garman, Allen D. (Gen. 0), D. C.  
 \*Garner, Willye (Gen. 0), D. C.  
 \*Garrett, Carrie Jones (Gen. 0), D. C.  
 \*Garrett, Robert Walton (Pre-Legal 0), D. C.  
 Gary, Edward T. (Pre-Medical 1½), D. C.  
 \*Gatchell, Dorothy G. (Gen. 24), D. C.  
 Gatlin, Mary (Gen. 24), D. C.  
 †Gayle, James (Comm. 0), D. C.  
 \*Gaylord, Edith A. (Gen. 0), D. C.  
 Geiger, Barbara R. (Comm. 0), D. C.  
 Geiger, John H. (II 60), D. C.  
 George, Malcolm Alling (Comm. 38), D. C.  
 \*Gerken, Hubert John (Gen. 32), Va.  
 Gessas, Archie (Gen. 0), Idaho  
 Geschiekter, Josephine (Gen. 91½), D. C.  
 Gettle, Marvin Edward (Comm. 6), Ark.  
 \*Gibson, Carter T. (Gen. 40), D. C.  
 \*Gibson, W. Gregg (Comm. 12), D. C.  
 Gilbert, Harry A. (Pre-Medical 78½), Okla.  
 \*Giles, Marnie Carolyn (Gen. 26), D. C.  
 Gilfoy, Francis Elmer (Pre-Medical 0), Mass.  
 Gill, Minna (Gen. 80), D. C.  
 †Gilsdorf, Frederick J. (Gen. 55½), Mont.  
 Gilstrap, Harry B. (Gen. 91½), Okla.  
 †Ginberg, Louis (Pre-Legal 0), D. C.  
 †Girdner, Kermit (II 82), D. C.  
 Gindmon, Elizabeth (Gen. 27), D. C.  
 Glass, Jewell J. (Gen. 79½), Miss.  
 Glass, Lewis Michael (Gen. 12), Kans.  
 \*Glosson, Anne Frances (Gen. 51½), D. C.  
 \*Gloney, Florence Rita (Gen. 0), Mass.  
 Glover, Elmer W. (Pre-Legal 0), Ohio  
 Glover, George F. (Gen. 0), D. C.  
 \*Glynn, Germaine (Gen. 0), D. C.  
 Godsey, Janice M. (Gen. 0), D. C.  
 Gold, Deborah Ida (Gen. 65), Mass.  
 Goldberg, Morton G. (Gen. 0), D. C.  
 Goldberger, E. T. (Gen. 0), D. C.  
 Goldenberg, Morris H. (Pre-Medical 67), N. Y.  
 Goldman, Benjamin (Pre-Medical 0), D. C.  
 Goldman, Joseph (Pre-Medical 0), D. C.  
 Goldman, Myers (Pre-Medical 49½), D. C.  
 Goldstein, Harry Samuel (Pre-Legal 0), D. C.  
 Golub, Morris (Pre-Legal 0), N. Y.  
 Goodman, Edgar Leonard (Pre-Medical 66), D. C.  
 Goodman, Harry Louis (Comm. 0), Va.  
 Gosey, Marguerite (IV 75), Ill.  
 \*Gosnell, Lois (II 120), S. C.  
 †Goss, John H. (Gen. 32), Pa.  
 \*Goss, Marshall J. (Pre-Legal 120), Ohio  
 Gott, Doris (Gen. 0), Mo.  
 Goupee, Edward J. (Gen. 16), Pa.  
 Gould, Vincent C. (Pre-Medical 0), N. Y.  
 †Graffius, Donald W. (IV 64), Pa.  
 Graham, George E. (Gen. 52), D. C.  
 Graham, Joyce G. (Comm. 6), Va.  
 \*Granados, Luis (Comm. 0), Md.  
 Grayatte, Jeanne (Gen. 39), D. C.  
 †Graves, Warren E. (VI 102), Mass.  
 Gray, Emilie Belle (Gen. 0), D. C.  
 Gray, Marceline Elizabeth (Gen. 30), D. C.  
 Green, Marden P. (IV 59½), D. C.  
 Greene, Charles T. (Gen. 42), Pa.  
 \*Greene, Ruth G. (III 114), D. C.  
 Gregg, Helen E. (II 78), D. C.  
 Gregory, Ruth (III 61), D. C.  
 Griffin, Bettie L. (Gen. 18), Ky.  
 Griffith, Boyce (Gen. 0), Va.  
 Griffith, Eugene Everett (Gen. 26), Va.  
 Griffith, Mary (Gen. 27), D. C.  
 \*Grimmell, Huntley C. (Gen. 31), N. Mex.  
 †Grimes, Harlan Earl (Gen. 25), Okla.  
 Grindell, May Eleanor (Gen. 40), Mass.  
 Gripon, Antoinette C. (Gen. 0), France  
 \*Grissom, Estella (II 38), Ill.  
 \*Grogin, James (Gen. 85½), N. Y.  
 \*Groover, Major D. (Pre-Legal 0), Md.  
 †Grossberg, Solomon (Gen. 0), D. C.  
 Gruber, Mabel U. (Gen. 12), Ind.  
 \*Gruver, Helen R. (II 39), D. C.  
 Geantner, Johanna (Gen. 48), D. C.  
 †Guard, Madge Lee (Gen. 0), D. C.  
 Guisjarro, Gahiel (Gen. 0), P. R.  
 Guna, Harry Manville (Comm. 24), Minn.  
 \*Gunnell, Mary N. R. (Gen. 0), D. C.  
 \*Gunning, Francis Joseph (Gen. 108½), Mass.  
 Haase, Freda M. (Pre-Legal 0), D. C.  
 Haddox, Dorothy (II 103), Md.  
 Haddox, Eleanor Y. (Gen. 0), Md.  
 †Hagearty, William Edward (III 0), Conn.  
 †Hagen, Norman R. (Gen. 0), Minn.  
 Haidet, Monroe Paul (Comm. 0), Ohio  
 Haines, Alice (Gen. 44), Minn.  
 Halam, Jack (Pre-Legal 0), D. C.  
 †Haldeman, Gladys C. (Gen. 0), Va.  
 †Hall, Augusta Mae (Gen. 0), D. C.  
 Hall, Helen Frances (Gen. 0), D. C.  
 Hall, Mildred Alice (Gen. 0), Md.  
 Hall, Wallace LeRoy (Gen. 107), D. C.  
 Halley, Thelma Mae (Gen. 0), D. C.  
 †Halsey, Elizabeth (Gen. 0), W. Va.  
 \*Hamilton, Anna Mary (II 130), Pa.  
 \*Hamilton, Philip Willard (Pre-Medical 5), D. C.  
 †Hammond, Elsie B. (Gen. 0), Ala.  
 Hammond, James M. (Gen. 0), D. C.  
 Hanagan, Catherine L. (II 14), Pa.  
 Haase, Emma O. (Gen. 74), Va.  
 \*Hancock, Louise Henry (II 84), D. C.  
 †Hanford, Catherine Helen (Gen. 48), D. C.  
 Harcourt, Gertrude T. (Gen. 61), D. C.  
 Harding, Charlotte G. (Gen. 93), Md.  
 Harlow, Gladys (Gen. 30), D. C.  
 Harmon, Elizabeth Charles (Gen. 80), D. C.

- Harnsberger, Julia R. (Gen. 0), Va.  
 Harper, Hoyt B. (IV 51), Ill.  
 Harris, Grace (II 64), D. C.  
 Harris, Martha Elizabeth (II 42), D. C.  
 \*Harris, Sophia V. (Comm. 118), D. C.  
 Harris, Thomas Frederick (Pre-Legal 96), N. C.  
 \*Harrison, Ethel Etta (Gen. 0), Mo.  
 Harrison, Susan (Pre-Medical 0), Va.  
 \*Harrison, W. Nance (Gen. 0), Va.  
 Harrison, Virginia L. (Gen. 0), D. C.  
 Harrison, William Henry (Comm. 0), Mont.  
 †Harrow, Elizabeth (Gen. 0), N. Y.  
 Hart, Richard Harold (Pre-Legal 0), D. C.  
 \*Hartman, Douglas W. (Pre-Legal 116), Wis.  
 Hartman, Jacob L. (Gen. 0), D. C.  
 Haskin, Jennings N. (Gen. 0), D. C.  
 Hastings, Elizabeth (Gen. 35), D. C.  
 Hastings, Helen (II 102), D. C.  
 Hastings, Mamie (Gen. 0), Md.  
 Hatfield, Margaret T. (Gen. 27), Ohio  
 Haven, Mary Lucile (Gen. 0), Pa.  
 Hawkins, Walter (Gen. 62), Conn.  
 Hawley, Robert Gray (Gen. 18), D. C.  
 Hayes, Charles D. (Pre-Legal 24), Iowa  
 Hayes, Jack (IV 73), D. C.  
 Hayes, Janet C. (Gen. 10), Wyo.  
 †Heal, Delight (Gen. 3), Ind.  
 Heare, Gertrude Elizabeth (Comm. 0), D. C.  
 Heath, Alma F. (Pre-Medical 17), Idaho  
 Heid, Howard S. (Gen. 83), D. C.  
 \*Heidel, Milton (Gen. 0), D. C.  
 Heiges, Melville L. (Pre-Medical 48), D. C.  
 Heinhold, Katherine (Gen. 12), Mich.  
 Heisler, Isabel (Gen. 0), D. C.  
 Heitmuller, Pauline (Gen. 24), D. C.  
 Henderson, Walter C. (III 95), Mont.  
 Henrickson, Henry B. (Gen. 89), R. I.  
 Herbert, Estelle E. (Gen. 6), Md.  
 Heriot, Robert Stark (Pre-Medical 0), Porto Rico  
 Herman, Morgan Frederic (Gen. 0), N. Y.  
 Herr, George S. (Pre-Legal 6), Pa.  
 Herrick, Jean C. (Gen. 77), Iowa  
 Horron, Fred Julian (Pre-Medical 94), Md.  
 Hessler, Agnes Bertha (Gen. 94), D. C.  
 †Hetherington, Betty (Gen. 0), D. C.  
 Heurich, Anita A. (Gen. 15), D. C.  
 †Hewitt, Ivan Y. (III 0), D. C.  
 Hiatt, Jefferson H. (Pre-Legal 0), Iowa  
 Hibbs, Germa (Gen. 14), Ill.  
 Hicks, Ernestine (Gen. 48), D. C.  
 Hicks, Katherine Ina (II 48), N. Y.  
 Hielt, Mary (Gen. 0), D. C.  
 Higgins, Edward J. (II 105), Mass.  
 †Higgins, Eugene Witter (Pre-Medical 0), D. C.  
 Hildebrand, Jesse B. (Gen. 56), Va.  
 Hill, Graham L. (Gen. 17), D. C.  
 Hill, John Clement (Comm. 0), Pa.  
 Hill, Lampion (Gen. 0), Va.  
 Hill, Mary Temple (Gen. 30), Va.  
 Himes, Lois Floy (Gen. 85), D. C.  
 Hinckley, Marie H. (Gen. 0), N. H.  
 Himmelberger, Anna M. (Gen. 59), Pa.  
 \*Hinton, Mary Virginia (Gen. 0), Md.  
 Hoaglund, Cyrus V. (Pre-Legal 37½), Minn.  
 Hodges, Louis C. (Pre-Legal 0), D. C.  
 Hoffman, Gene L. (Comm. 0), D. C.  
 Hohn, Allie (Gen. 21), D. C.  
 Holden, Beulah (Gen. 0), Me.  
 Holland, Edgar (Gen. 0), Wash.  
 Hollett, Joseph L. (Comm. 0), D. C.  
 Holmes, Mary F. (Gen. 18), N. Y.  
 \*Hopkins, Elinor (Gen. 0), D. C.  
 Hopkins, Josephine (Gen. 0), D. C.  
 †Hopkins, Joy (Gen. 0), D. C.  
 \*Hopping, Louis M. (Pre-Legal 120), Ill.  
 Horbett, John E. (Comm. 69), N. Y.  
 Hosmer, Harriet (Gen. 100), Calif.  
 \*Hottel, Dorothy (V 102), Md.  
 Hottel, Guy (VI 72), Va.  
 Houghton, Francis E. (Comm. 24), Md.  
 Houser, Ralph H. (Comm. 0), D. C.  
 \*Houston, David S. (Gen. 0), Va.  
 \*Howard, Joseph S. (Gen. 0), Va.  
 †Howard, Ruth M. (Gen. 0), D. C.  
 \*Howard, Thomas M. (Gen. 0), N. Mex.  
 Howe, Sarah Louise (Gen. 6), N. Y.  
 Howell, James Fleet (Gen. 0), Miss.  
 Hoyt, John M. (Pre-Medical 0), D. C.  
 \*Hu, Kyi-Yuan (Comm. 116), China  
 Huber, Elbert Lowell (Gen. 9), Neb.  
 Hudock, John Ward (Gen. 0), Pa.  
 Hudson, Blanche L. (Gen. 63), D. C.  
 †Hudson, Ward C. (Pre-Legal 12), Va.  
 \*Hughes, Genevieve Emily (Gen. 0), D. C.  
 Hughes, Norma Louise (Gen. 0), D. C.  
 \*Hull, Eather (IV 113), Mass.  
 \*Humphrey, Elisabeth Louise (Gen. 0), D. C.  
 Humphreys, Ellen P. (Gen. 0), Me.  
 Hunt, Margaret C. (Gen. 30), D. C.  
 †Hunter, Marjorie de Con (Gen. 0), D. C.  
 Huntley, Roberta Anna (Gen. 0), Minn.  
 Huntsberger, Mae L. (Gen. 28), D. C.  
 Hutchison, Gilbert Mills (Pre-Legal 48), D. C.  
 Hutchison, Ruth M. (Gen. 103), Colo.  
 \*Hutchison, Granville (Comm. 120), Va.  
 Hyatt, Fern (II 101), Tex.  
 Hyde, John K. (Comm. 33), Mass.  
 Icasa, Sosa A. A. (Pre-Medical 27), Panama  
 Ift, Lewis Roberts (Gen. 0), D. C.  
 Ingle, Albert L. (Pre-Medical 58), Miss.  
 †Ingold, John G. (Gen. 0), D. C.  
 Irizarry, Jose M. (Gen. 20), Porto Rico  
 Irland, Max J. (Pre-Legal 0), D. C.  
 Isaac, Hedwig A. (Comm. 18), Kans.  
 Iseman, Gladys M. (II 66), Ohio  
 Isquith, Julian Robert (Pre-Medical 71), N. Y.  
 Jackson, Mary (Gen. 0), Ohio  
 Jackson, Ruth (Gen. 27), D. C.  
 \*Jacobs, George William (Gen. 12), D. C.  
 James, Addie Howard (Gen. 0), Md.  
 \*James, Frances Pauline (Gen. 0), D. C.  
 James, Leland F. (IV 49), D. C.  
 \*James, Lulu Bess (Gen. 0), Ill.  
 \*James, Olin (Gen. 0), D. C.  
 James, Virginia H. (Gen. 60), Md.  
 James, William George (II 48), D. C.  
 Jameson, Ruth M. (Gen. 57), D. C.  
 \*Jamieson, Margaret (Gen. 9), N. Y.  
 Jamison, Susanna Margaret (Gen. 0), Colo.  
 \*Jaquette, Elizabeth K. (Gen. 30), D. C.  
 †Jarman, Thomas S. (Pre-Legal 0), Va.  
 †Jarvis, Roy Bernard (Gen. 0), W. Va.



- Jean, Winston B. (Comm. 28½), Ark.  
 Jex, Garnet W. (Gen. 69), D. C.  
 †Johannes, Alois William (Pre-Legal 0), Wis.  
 \*Johannes, John Lee (Gen. 0), D. C.  
 Johnson, Alphonso G. (Pre-Legal 0), N. C.  
 Johnson, Charlotte A. (Gen. 6), D. C.  
 Johnson, Cyrus (Gen. 12), Md.  
 Johnson, Doris Marie (Gen. 0), D. C.  
 \*Johnson, Esther W. (Gen. 0), D. C.  
 Johnson, Ethel M. (Gen. 102), Ohio  
 \*Johnson, Hiram F. (Gen. 6), D. C.  
 Johnson, Joseph T. (Gen. 36), N. C.  
 \*Johnson, Kenneth W. (Gen. 0), D. C.  
 †Johnson, Paul G. (Commerce 27), Wis.  
 †Johnson, Raymond Paul (Pre-Legal 0), Ill.  
 Johnson, Rosemond (Gen. 0), D. C.  
 Johnson, Rudolph C. (II 28), D. C.  
 \*Johnson, Sherman (Gen. 14), Kans.  
 Johnston, Everett Dale (Gen. 30), Ohio  
 \*Johnston, Lincoln G. (Gen. 0), D. C.  
 Jones, Anne Stiles (Gen. 0), D. C.  
 Jones, Florence M. (Gen. 82½), Neb.  
 Jones, Helen Carty (Gen. 0), D. C.  
 \*Jones, Sumner Richard (Comm. 9), Ohio  
 Jones, Thomas Owen (Gen. 30), D. C.  
 †Jones, Waldo H. (Gen. 0), D. C.  
 \*Jones, William H. (Comm. 0), Okla.  
 Jordan, Ina B. (Gen. 0), Me.  
 Jurado, Ramon (Comm. 0), Panama  
 Kache, Virginia (Gen. 0), Va.  
 †Kail, Benjamin Morton (Pre-Legal 0), Pa.  
 Kaplon, Anna Dora (Comm. 0), W. Va.  
 Kats, Joseph Harry (Pre-Medical 81), N. Y.  
 Kats, Max (Gen. 39), D. C.  
 Katsman, Sollie (Pre-Medical 0), D. C.  
 Kaufmann, Joseph Alexander (Pre-Legal 60), Va.  
 Kaufmann, Marx S. (Pre-Medical 22), D. C.  
 †\*Keane, Helen Marie (Gen. 0), D. C.  
 Keane, Mary K. (Gen. 24), D. C.  
 Keefe, Charlotte M. (II 107), D. C.  
 Keefe, Helen B. (Gen. 29), D. C.  
 Keep, Kathryn Lee (Gen. 30), Pa.  
 †\*Keightly, Almeda Frances (Gen. 0), Ill.  
 Keithline, Emma (Gen. 12), Pa.  
 Keleher, Edith R. (Pre-Medical 31), D. C.  
 Kelley, Garth H. (Gen. 11), Pa.  
 \*Kelly, Alice L. (Gen. 0), D. C.  
 \*Kennedy, Charles Francis (Gen. 0), D. C.  
 Kennedy, Rose C. (Gen. 0), D. C.  
 Kenney, Theodore A. (Gen. 9), Kans.  
 Kephart, Mrs. Olga A. (Gen. 6), D. C.  
 Keren, Barney Joseph (Pre-Legal 0), D. C.  
 Keren, Doris E. (Gen. 0), D. C.  
 Kernan, Ruth Taylor (Gen. 3), D. C.  
 Kessler, Leo (Pre-Medical 63), N. Y.  
 Ketcham, John C. (Gen. 46), Mich.  
 Key, Ernest D. (Gen. 0), D. C.  
 \*Keyser, James D. (Gen. 0), Pa.  
 Keyser, Joseph (Pre-Medical 0), D. C.  
 \*Kile, Ralph Roger (Gen. 0), D. C.  
 †Killarney, Frao is M. (Pre-Legal 0), Mass.  
 Killinger, Clara E. (II 69), D. C.  
 Kilpatrick, Edna F. (II 66), D. C.  
 \*Kincannon, Bess (Gen. 57), Miss.  
 King, Llewellyn H. (Pre-Medical 0), D. C.  
 †Kirk, Ella Josephine (Pre-Medical 70), D. C.  
 Kirkland, James Robert (Pre-Legal 0), D. C.  
 Klapp, Frank Orrin (Gen. 83), Ohio  
 \*Klatskin, Sarah (IV 30), D. C.  
 Klein, Margaret A. (Gen. 72), Pa.  
 Kleinschmidt, Laurence (Gen. 124), Ohio  
 †Kleping, Robert F. (Pre-Legal 0), Ohio  
 Kline, Emily (Gen. 0), D. C.  
 Knappen, Phoebe M. (III 98), D. C.  
 Knauff, Pauline (Gen. 0), D. C.  
 Knowles, John Philip (Gen. 0), Iowa  
 \*Knox, Weston Weis (Pre-Medical 0), Va.  
 \*Knutson, Elsa (Gen. 32), D. C.  
 Koetz, Katherine (Gen. 39), Pa.  
 Kohn, Eva (Gen. 0), D. C.  
 Kosicki, Cecilia (Gen. 26), Conn.  
 Kostmayer, Kate G. (Gen. 75), D. C.  
 Kremer, Alvin W. (Gen. 27), Va.  
 \*Kremer, Mary Elizabeth (Gen. 12), D. C.  
 \*Kuhn, Aurelia (Gen. 0), Ohio  
 Kuizon, Uldarico S. (Pre-Medical 0), D. C.  
 Kurtz, Kenneth Sherman (Gen. 91½), Pa.  
 \*Kuts, Miriam L. (II 124), Ind.  
 Kuykendall, Nancy Blue (Gen. 21), W. Va.  
 Kyle, James R. (Gen. 24), D. C.  
 \*Lacey, Herbert L. (Gen. 0), D. C.  
 Lacy, Katherine F. (I 59), D. C.  
 Lake, Fenton M. (Pre-Legal 0), D. C.  
 †Lake, Johnnie Lou (Gen. 57), Ark.  
 Lake, Mataloe T. (Gen. 24), D. C.  
 \*Lamar, Mirabeau B. (Pre-Legal 12), D. C.  
 \*La Master, Frank (Pre-Medical 16), D. C.  
 Lambert, Martha June (Gen. 0), Mo.  
 Lamson, Elizabeth H. (Gen. 88), D. C.  
 Lang, Francis J. (Gen. 15), N. Y.  
 Lang, Richard James (Pre-Medical 84), N. Y.  
 Langston, Raymond P. (VI 12), Okla.  
 Lanier, Ruby T. (Gen. 88), Ga.  
 Lapham, Flora M. (Gen. 27), Ga.  
 \*Larson, John Marshall (Gen. 21), Minn.  
 Larson, Morris A. (Comm. 37), N. D.  
 Lasica, Sophronia J. S. (Gen. 6), Ky.  
 Lassiter, Mrs. Vera Collins (Gen. 30), D. C.  
 Latimer, Dorothy (Gen. 33), D. C.  
 \*Lattimer, Ray D. (V 121), W. Va.  
 Laux, Edward H. (Gen. 0), D. C.  
 Lavender, Frances (Gen. 0), D. C.  
 Lavine, Oscar (Pre-Medical 6), D. C.  
 \*Law, Thomas H. B. (Gen. 0), D. C.  
 Lawrence, Wayne S. (Comm. 0), Pa.  
 †Layman, John Sheldon (Gen. 0), D. C.  
 Lazard, Madeline Von Unschuld (Gen. 0), D. C.  
 Leach, Sanford B. (Pre-Medical 0), D. C.  
 Leahy, Emelia A. (Gen. 30), Ill.  
 Lechleider, Joseph Le Mar (Gen. 87½), Pa.  
 \*Leckie, Jeanette K. (Gen. 12), D. C.  
 Lederer, Melvin E. (IV 46), D. C.  
 Lee, Agnes Irene (II 109), D. C.  
 \*Lee, Ednah McKinley (Pre-Legal 9), D. C.

- Lee, Martha Ellen Lee (Gen. 0), D. C.  
 Lee, Robert Edward (Pre-Legal 30) 1/4, D. C.  
 LeFebvre, Rose M. (IV 103), Minn.  
 Legge, Rosalie B. D. (Gen. 0), D. C.  
 Lellow, Allen Edwin (Pre-Medical 0), D. C.  
 Lehman, Alicia Marie (Gen. 58), Ill.  
 Lehman, Roland J. (Gen. 76), Ill.  
 LeMenager, Marcelle (Gen. 21), D. C.  
 Lemon, Mary Louise (II 68), D. C.  
 \*LeSturgeon, Page Quigley (Gen. 0), D. C.  
 Levine, Samuel (Pre-Legal 0), D. C.  
 †Levy, Edith McDowell (Gen. 40), Tex.  
 †Levy, Yvonne A. (Gen. 0), D. C.  
 Lewis, Catherine Campbell (Gen. 0), D. C.  
 \*Lewis, Catherine Elizabeth (Gen. 0), Kans.  
 \*Lewis, Eva Anita (Gen. 61), D. C.  
 Lewis, Madge (IV 96), Md.  
 Lewis, Maud (Gen. 0), D. C.  
 †Lewis, Samuel Lee (Gen. 0), D. C.  
 Lewter, John C. (IV 81), Va.  
 L'Heureux, Herve J. (Comm. 97), N. H.  
 Liberman, Jess (Pre-Medical 74), N. Y.  
 Lilo, Carolyn W. (Gen. 72), D. C.  
 \*Liles, Mary Virginia (II 57), D. C.  
 Linch, Mark N. (Pre-Medical 57), D. C.  
 Lindquist, Clarence A. (Comm. 16), Iowa  
 Linehan, Ella C. (II 92), Mass.  
 Linkins, John Thomas (Gen. 0), D. C.  
 \*Little, Donald (Pre-Legal 125), Kans.  
 †Little, Lois Adele (Gen. 0), Calif.  
 Littlepage, Ellen M. (Gen. 75), D. C.  
 Lloyd, Annabella Diantha (Gen. 30), Md.  
 Loane, Margaret L. (Gen. 0), D. C.  
 †Lobdell, Hugh J. (Gen. 0), Kans.  
 Lockhart, Maurine (Gen. 0), D. C.  
 \*Loeb, Leopold (Pre-Legal 27), D. C.  
 Logan, Arthur G. (Gen. 107 1/4), N. J.  
 Lehmann, Blanche (Gen. 47), D. C.  
 Loman, William Moore (Pre-Legal 48), D. C.  
 Long, Pauline Yates (Gen. 58), D. C.  
 Louis, Lucile Babette (Gen. 30), D. C.  
 Loveland, Ailene Jane (IV 9), D. C.  
 Lowden, Henry Marshall (Pre-Medical 72), Md.  
 Lowe, Louella D. (Gen. 6), N. C.  
 Lowrey, Mary Alice (Gen. 107), Miss.  
 Luber, Harold Edgar (Gen. 60), D. C.  
 \*Luber, Samuel (V 122), D. C.  
 Luce, Clifton Hadley (Pre-Legal 0), D. C.  
 Ludwig, Robert E. (IV 60), Md.  
 Lukens, Ruth Anna (Gen. 59 1/4), Pa.  
 Lunley, Mathan I. (Pre-Legal 27), N. C.  
 Lundberg, George Waldemar (Pre-Medical 0), Minn.  
 Luthewits, Vincent A. (Pre-Legal 0), Poland  
 \*Luta, Herbert Barr (Gen. 0), D. C.  
 Lynam, Francis Paul (Pre-Legal 40), Pa.  
 Lynch, Helen Elizabeth (Gen. 0), Vt.  
 Lynn, Louise B.  
 Lyon, Ralston (Gen. 10), D. C.  
 \*McAttee, Margaret Mary (Gen. 0), Md.  
 McCabe, William L. (IV 80), Utah  
 \*McCain, Inez Adelin (Gen. 48), D. C.  
 McCarthy, Leonard D. (V 82), D. C.  
 McCauley, Alice Olivia (Gen. 66), D. C.  
 McClellan, Irvin R. (Pre-Legal 0), Ind.  
 McClintie, Mary V. (Pre-Legal 0), Okla.  
 †McClosky, William T. (V 105), D. C.  
 McClure, Earl Cole (VI 42), D. C.  
 McClurg, Margaret V. (Gen. 4), Utah  
 McCord, Anita Alice (II 93), D. C.  
 McCormick, Marcella A. (Gen. 61), Ind.  
 †McCoy, Carroll A. (Pre-Medical 88), D. C.  
 McCoy, Horace Burton (Gen. 77), Ind.  
 McCullough, Joseph E. (Comm. 42), D. C.  
 \*McCutcheon, Otto (Pre-Legal 0), Tex.  
 McDarmont, Nina Elaine (Gen. 0), D. C.  
 McDonald, Malcolm Osbourne (Gen. 0), D. C.  
 McDonnell, John Joseph (Gen. 36), D. C.  
 \*McDonnell, Pauline A. (IV 0), D. C.  
 McDonnell, Vincent Paul (Gen. 81), N. Y.  
 McDougle, Leonidas (Gen. 0), D. C.  
 McDowell, Charles (Gen. 28), D. C.  
 McDowell, Dorothea (Gen. 3), D. C.  
 McElroy, Mary (Comm. 0), D. C.  
 \*McEntee, Girard L. (Gen. 106), D. C.  
 McGehee, Dallas I. (II 41), D. C.  
 McGehee, Martha Lane (Gen. 0), D. C.  
 †McGettiek, Arthur John (Pre-Legal 21), Vt.  
 McGrew, Irvin, Jr. (Gen. 27), Tenn.  
 McInnis, Charles Ballard (Comm. 30), Ala.  
 McIntyre, Marie (Gen. 60), D. C.  
 †McKee, Gladys (Gen. 48), D. C.  
 McKee, John W. C. (Comm. 34), Pa.  
 \*McKenna, Elizabeth J. (Gen. 0), D. C.  
 McKenna, Frank X. (Gen. 0), D. C.  
 \*McKenna, William Thomas (Pre-Legal 30), Pa.  
 \*McKenzie, Josephine S. (Gen. 3), D. C.  
 McLain, James Leven (Gen. 0), D. C.  
 McLeod, Blair (Gen. 37), Miss.  
 McLeRoy, Bryant Z. (Gen. 68), La.  
 McMillan, Robert P. (Comm. 0), Md.  
 \*McMinimy, Clare F. (Pre-Legal 6), Idaho  
 McMurchy, Anna Eleanor G. (II 105), D. C.  
 McMurray, J. Arthur (Gen. 16), Tex.  
 McMurray, Paul H. (Pre-Legal 54), Tex.  
 \*McNally, Kean (VI 12), D. C.  
 \*McNeil, Ernest (Gen. 0), D. C.  
 †McNeil, Helen C. (Gen. 54), Pa.  
 McNiff, Raymond N. (Comm. 0), Conn.  
 McNulty, Iona A. (Gen. 0), Pa.  
 \*McNulty, William J. G. (Gen. 0), D. C.  
 †McPherson, Richard K. (III 30), Mo.  
 McPhetridge, Mary Louise (Gen. 64), D. C.  
 McRae, Colin E. (Gen. 11), D. C.  
 McRae, Mary Louise (Gen. 0), D. C.  
 Madden, Bernice (Gen. 0), Utah  
 \*Magee, Ida (Gen. 30), Miss.  
 Magee, William D. (Pre-Medical 0), D. C.  
 Magill, Catherine (Gen. 0), D. C.  
 Magleby, Grant W. (Gen. 8), Utah  
 Magleby, Herbert Anderson (Comm. 75), Idaho  
 Mahoney, Aura Dale (Gen. 0), Iowa  
 Mahoney, Catherine Pearl (IV 58), D. C.  
 Maley, Frank (Pre-Legal 21), Md.  
 Malone, James F. (Gen. 18), Ill.  
 Malone, Kimmel (Comm. 0), Pa.  
 \*Malone, Marion Raymond (Comm. 80), D. C.



- Mandelbaum, George Murray (Gen. 85), N. Y.
- \*Mangum, James Evans (II 120), Ga.
- Manion, Esther Ann (II 36), D. C.
- Manlove, Harry (Gen. 48), Mo.
- Manning, Dorothy Carmen (II 52), D. C.
- Mark, Benjamin Ralph (Pre-Medical 0), D. C.
- Marmion, Louis Preble (Comm. 57), D. C.
- Maroney, Mary Monica (Gen. 30), Pa.
- \*Marquis, Ronald Nyman (IV 120), Okla.
- Marron, Eleanore L. (Gen. 30), D. C.
- Mars, James Andrew (Gen. 0), D. C.
- Marsh, Phylla Nellie (Gen. 69), D. C.
- Marshall, James Trimble (Gen. 20), D. C.
- Marshall, Murray Linwood (IV 56), Md.
- Marshino, Ora (Gen. 97), Ky.
- Marshman, Esther W. (Gen. 15), N. Y.
- \*Martell, Helen Marie (Gen. 0), D. C.
- Martin, George B. (Pre-Legal 0), Mo.
- Martin, James Louis (VI 48), D. C.
- †Martin, Mary B. (Gen. 0), Pa.
- Mason, Ruth Castleman (Comm. 33), D. C.
- Masson, Helen Burd (Gen. 10), D. C.
- Matheny, Elizabeth (Gen. 60), Va.
- Matthews, Lucille Lawton (Gen. 0), D. C.
- \*May, Orville Edward (124), Iowa
- May, Virginia (Gen. 0), D. C.
- Maybee, Harold V. (Pre-Legal 20), D. C.
- Mayfield, Lawrence William (Comm. 21), Mo.
- \*Mayo, Bernard Joseph (IV 120), Mo.
- Mayo, John Edward (Pre-Legal 0), Me.
- Maytum, Ivan Nelson (Gen. 49), Iowa
- \*Mechling, Arvilla (Gen. 0), Va.
- \*Medford, Theodore Lane (II 40), D. C.
- Meeks, Benjamin P. (Pre-Legal 0), D. C.
- †Meeks, Helen Frances (Gen. 0), D. C.
- Meister, Arthur William (Pre-Medical 0), N. Y.
- \*Melton, Edward Blair (Gen. 0), D. C.
- Melton, Rosalie D. (Gen. 60), D. C.
- Mendelson, Israel Jacob (Gen. 139), D. C.
- Mendelson, Joseph Lewis (Gen. 6), D. C.
- Menah, Zelda Sara (Gen. 0), Va.
- Merriam, Florence L. (Gen. 0), N. Y.
- Merritt, Virginia (Gen. 53), Md.
- Merts, Paul W. (Gen. 30), Ind.
- Mesney, Marguerite R. (Gen. 0), D. C.
- Metcalf, Harley Edwin (Gen. 37), D. C.
- Mets, Eleanor Carolyn (Gen. 0), D. C.
- Meyer, Anne Lee (Gen. 21), D. C.
- Meyer, Ella Lydia (Gen. 80), Neb.
- Meyer, Frances Anna (Gen. 0), Md.
- Meyer, Thomas B. (Gen. 0), D. C.
- Mexitia, Folo P. (Pre-Medical 0), D. C.
- Middleton, William (IV 97), Va.
- Milenky, Joseph (Gen. 30), Conn.
- †Miller, Alma Elisabeth (Gen. 0), Mich.
- Miller, Beveridge (Pre-Medical 31), D. C.
- Miller, Earl Dana (Gen. 0), Md.
- \*Miller, Eva (Gen. 20), Conn.
- Miller, Eliza Ardella (Gen. 15), D. C.
- \*Miller, Pauline Allen (Gen. 0), D. C.
- Miller, William Jones (Pre-Legal 0), Md.
- Millikin, Juliette D. (Gen. 0), D. C.
- Mills, Coel William (Gen. 0), Mont.
- Minor, John Gilbert (Gen. 67), Ky.
- Mitchell, Clarence (Comm. 111), D. C.
- †Mitchell, Fraser (Gen. 0), D. C.
- \*Mitchell, Helen Marr (Gen. 18), D. C.
- Molina, Pio Querijero (Comm. 0), P. I.
- Mon, Ora May (Gen. 33), Ill.
- Monday, Sybil (Gen. 29), La.
- Monday, Bernice Elinor (Gen. 0), Ind.
- Monroe, Eva L. (Gen. 6), N. Y.
- †Monson, Weldon Parkinson (III 0), Utah
- Montani, Rocco J. (Pre-Medical 86), N. J.
- Montgomery, Ralph V. (IV 78), D. C.
- Moon, S. Martha (Gen. 0), D. C.
- Moore, Aurelia (Gen. 0), Md.
- \*Moore, Clarence W. (Gen. 120), D. C.
- Moore, Daisy R., (Gen. 18), D. C.
- Moore, Helen (Gen. 3), D. C.
- \*Moore, John F. (Gen. 0), S. Dak.
- Moore, Leon H. (Gen. 49), Okla.
- Moore, Morrow Harris (Gen. 72), D. C.
- Moore, Ruth R. (Gen. 47), Kans.
- †Moore, Virginia Annette (Gen. 22), D. C.
- Morgan, Eva (II 98), Ill.
- Morgan, Martha Eleanor (Gen. 30), Ohio
- Morgan, Mildred M. (Gen. 0), D. C.
- Mori, Hideomi (Pre-Legal 0), Japan
- Morris, Anna Lucille (Gen. 0), D. C.
- Morris, Mary Elizabeth (Pre-Medical 47), Ohio
- Morris, Wayne Howard (Pre-Legal 0), D. C.
- †Morrison, Edward B. (Gen. 2), Va.
- \*Morrison, Francis G. (Pre-Legal 0), D. C.
- Morrow, Theron Bramley (Comm. 33), Mo.
- Morscher, Mary Florence (Gen. 30), Va.
- Morse, Victoria W. (Gen. 18), N. H.
- \*Mosely, Elizabeth L. (Gen. 106), Tex.
- Moss, Benjamin (Pre-Legal 0), D. C.
- †Moulden, James S. (Gen. 9), Md.
- \*Moulton, Richard H. (Pre-Legal 0), D. C.
- \*Mounts, John J. (Gen. 3), Ill.
- †Moy, Steven G. (Gen. 46), Calif.
- \*Moyer, Florence W. (Gen. 60), D. C.
- \*Moyer, Harry Steele (Gen. 0), Va.
- Mule, Paul Joseph (Pre-Medical 70), N. J.
- Mulford, Kenneth Eugene (Comm. 0), D. C.
- \*Mulligan, Leora Jean (Gen. 0), Ind.
- Murphy, Abigail Theresa (Gen. 106), Vt.
- \*Murphy, Alice M. (III 26), Mass.
- Murphy, Herbert Milton (Pre-Medical 0), Md.
- †Murphy, Howard M. (Pre-Legal 0), Kans.
- Murphy, Hugh Edward (Gen. 0), Md.
- Murphy, James R. (Gen. 6), Kans.
- Murphy, Joan Catherine (II 67), Vt.
- Murray, I. Mildred (IV 105), Pa.
- Murray, Thelma Marie (Gen. 0), Ala.
- Musson, Helen (Gen. 62), D. C.
- Muth, George Edward (Pre-Legal 0), D. C.
- \*Myers, Sarah Eleanor (Gen. 0), D. C.
- Myers, Wilbur Gibbs (Comm. 0), D. C.
- Nacrelli, Joseph Arthur (Pre-Legal 0), Pa.
- Nalla, Earl Melville (Pre-Legal 24), D. C.
- †Nary, Thomas Donaldson (Gen. 0), N. J.
- Naylor, Mary B. (Gen. 44), D. C.
- †Neal, Martha Hamilton (Gen. 0), Ga.
- Neal, Ralph H. (Pre-Medical 0), Ohio
- \*Neesley, Emma Louise (Gen. 0), Iowa
- Nelowich, Gertrude (Gen. 0), D. C.
- †Nelson, Roy W. (Comm. 27), Neb.
- Nebitt, Hugh Barr (Gen. 16), D. C.

- Nesbitt, William W. (Gen. 0), D. C.  
 \*Nesselson, Irvn Eugene (Comm. 0), Ohio  
 Neviasser, Arnold H. (Pre-Medical 81), D. C.  
 †Newbold, Josephine Doris (Gen. 0), Okla.  
 Newburn, Ruth T. (Gen. 0), D. C.  
 \*Newby, Virginia Morgan (Gen. 18), Tenn.  
 \*Newman, Hobart E. (Pre-Legal 27), D. C.  
 Newman, Howard E. (Pre-Medical 0), D. C.  
 \*Newton, Essie (Gen. 0), N. C.  
 \*Newton, Grace Laura (Gen. 30), D. C.  
 \*Newton, Jessie Davis (Pre-Legal 0), D. C.  
 Niccum, Norman (Gen. 0), D. C.  
 Nichols, John Melton (Comm. 54), S. C.  
 Nickle, Lydia S. (Gen. 0), Del.  
 \*Nicklin, Sarah Virginia (Pre-Medical 0), Va.  
 \*Nickson, Theodore B. (Comm. 93), Mont.  
 \*Niemeyer, Ernestine H. (IV), D. C.  
 \*Noble, William P. (Gen. 0), N. Y.  
 Nordstrom, Lillian C. (Gen. 0), D. C.  
 Norton, Frances (Gen. 3), D. C.  
 †Notte, Dominic A. (Gen. 0), N. J.  
 \*Noyes, Helen Louise (Gen. 0), D. C.  
 Noyes, Martha (Gen. 84), Pa.  
 Ober, Mary King (Gen. 73), D. C.  
 O'Brien, Agnes Genevieve (Comm. 6), Pa.  
 O'Brien, John Edward (Gen. 0), R. I.  
 †O'Connor, Frank James, (Gen. 0), D. C.  
 O'Connor, George Edward (Pre-Legal 76½), D. C.  
 O'Connor, Joseph Louis (V 72), N. Y.  
 Oddenino, Mary Adeline (Gen. 9), D. C.  
 O'Dwyer, James Vivian (Comm. 12), D. C.  
 Oertly, Allan Wickliffe (Gen. 91), D. C.  
 †Offutt, Edward (Comm. 0), D. C.  
 O'Flaherty, Maude Irene (Gen. 24), Va.  
 Ogg, William Raymond (Gen. 36), D. C.  
 Olson, Alben (Comm. 24), Idaho  
 \*Olson, William Howard (Pre-Legal 20), Minn.  
 Omwake, Mary Louise (Gen. 0), D. C.  
 O'Neil, Mary Elizabeth (Gen. 12), Conn.  
 O'Neill, Carl A. (Gen. 0), D. C.  
 O'Neill, Catherine Ann (Gen. 18), Md.  
 \*O'Reilly, Clare E. (Gen. 0), Fla.  
 \*Orosco, Joseph Anthony (Gen. 0), P. I.  
 Orr, Edwin Reed (Pre-Legal 19), Ga.  
 Orr, Kathryn M. (Gen. 27), N. Y.  
 Orton, Clarence F. (III 37½), Nebr.  
 Otley, Marion (Gen. 0), Va.  
 Owens, J. Mitchell (Gen. 0), D. C.  
 Pabst, Anna M. (Gen. 32), D. C.  
 \*Painter, Edward T. (Pre-Legal 0), Okla.  
 Palmer, Barber C. (Gen. 12), Ky.  
 Parker, Dorothy Gladys (Pre-Medical 0), D. C.  
 Parks, Ruth Anderson (Gen. 69), Mass.  
 \*Parks, Tilman B. (Pre-Medical 0), Ark.  
 †Parrigan, Ivan Frank (Gen. 121), Ky.  
 Parry, William (Gen. 124), Pa.  
 †Parsons, Frank (Gen. 9), Md.  
 \*Parsons, Robert Leroy (Gen. 0), D. C.  
 Passalacqua, Jose R. (Pre-Medical 0), Porto Rico  
 Pasternak, Alfred (IV 79), D. C.  
 \*Patterson, John Agassiz, Jr. (Gen. 0), D. C.  
 \*Patterson, John T. (Gen. 0), D. C.  
 Paul, Frank G. (Gen. 0), D. C.  
 Paulson, Julia Anna (Gen. 83), Ind.  
 Pawley, Grace Elizabeth (Gen. 0), Neb.  
 †Payne, John Byrd (Comm. 0), D. C.  
 \*Pearcy, Frankie (Gen. 74), W. Va.  
 Pearsall, John B. (Comm. 0), D. C.  
 \*Pearson, Wanda Gladys (Gen. 0), D. C.  
 Pedigo, Florence Edna (Gen. 65), Va.  
 Peisman, Tolbert M. (Gen. 0), D. C.  
 Periam, Helen Jube (II 62), N. J.  
 \*Perrott, Phyllis (Gen. 0), D. C.  
 Perry, Arthur C. (IV 44), Tex.  
 Peters, Ruth F. (II 6), Mich.  
 Peterson, Eric G. (Pre-Legal 33), Tex.  
 \*Peterson, Robert K. (Gen. 63), Va.  
 †Petrie, John S. (Gen. 45), D. C.  
 Petty, Ethel (IV 0), Iowa  
 Philbrick, Mary Holden (Gen. 86), Ga.  
 †Phillips, Dorothy Ethel (Gen. 0), D. C.  
 Phillips, Dorothy Randall (III 41), D. C.  
 Phillips, Eileen H. (Gen. 0), D. C.  
 Phillips, Gertrude Marie (Gen. 6), D. C.  
 Phillips, Gordon Herndon (Pre-Medical 60), D. C.  
 Phoebe, Gladys Edith (Gen. 104), D. C.  
 Picard, Fred P. (Gen. 0), Neb.  
 \*Pick, Sarah Virginia (Gen. 36), Tex.  
 Piepenbrink, Anna Louise (Gen. 12), Ind.  
 \*Pilkinton, Emily Blanton (Gen. 0), D. C.  
 Pitthan, Marvin John (Gen. 14), N. Y.  
 Pittman, Estelle M. (II 104), Ohio  
 Pitte, Bessie May (Gen. 6), Tex.  
 Plaugher, William C. (Pre-Legal 0), Va.  
 \*Pledger, Charles E. (Comm. 4), D. C.  
 Pledger, Reginald Harrison (Gen. 0), D. C.  
 Plotzky, Albert (Pre-Medical 11), D. C.  
 \*Poage, Walter S. (IV 60½), Va.  
 \*Pohl, Erwin R. (Gen. 120), D. C.  
 †Pohlman, Robert George (Comm. 0), D. C.  
 \*Pollard, Anne (Gen. 0), D. C.  
 Pollock, Robert Woodson (Pre-Legal 49), Iowa  
 †Pomeroy, Floyd Stanley (Pre-Legal 0), Ill.  
 Poole, John Herbert (Pre-Legal 0), Va.  
 Poole, Martha Sprigg (II 42), D. C.  
 Popenoe, Willis P. (Gen. 10), Md.  
 †Porter, Alexander M. (Gen. 0), D. C.  
 Porter, Etta C. (Gen. 87), N. Y.  
 Potter, Owen O. (Pre-Legal 85), Ind.  
 Potta, J. Bernard (IV 85½), D. C.  
 Powell, Alfred G. (Gen. 96), D. C.  
 \*Powell, Estella (Gen. 0), Ill.  
 Powell, Henry Clay (Comm. 30), D. C.  
 \*Powell, Manfred Gerard (Pre-Legal 0), Conn.  
 \*Powell, Norbert Crane (Pre-Legal 0), Conn.  
 Poynton, Edward Arthur (Gen. 91), D. C.  
 \*Preeco, John A. (V 117), D. C.  
 Prengrove, Ruth Lydia (Gen. 0), D. C.  
 Preston, Orba L. (Gen. 0), Ohio  
 Prevost, Marcel Mallet (Gen. 24), D. C.  
 Price, Burns Domer (Gen. 0), D. C.  
 Price, Mary Elizabeth (Gen. 87), Md.



- †Price, Mercer Lee (Pre-Medical 0), D. C.  
 Price, Thomas M. (Pre-Medical 0), D. C.  
 •Priest, Blanche Hester (Gen. 30), Kana.  
 Primm, Margaret J. (Gen. 0), D. C.  
 •Pruett, George Raymond (Gen. 0), D. C.  
 •Pucci, Dominic Louis (II 120), Mich.  
 Pugh, Lucy R. (Gen. 6), Miss.  
 •Pulliam, Robert William (Pre-Medical 82), N. C.  
 •Quillen, Ansley James (Pre-Legal 27), Md.  
 •Ramey, Georgie Elizabeth (Gen. 0), D. C.  
 •Ramsey, Margaret C. (II 121), D. C.  
 Ranek, Alice N. (Gen. 24), Pa.  
 †Randall, Charles G. (III 0), Mich.  
 Randolph, Cary J. (Gen. 0), D. C.  
 •Randolph, Clara Fitz (II 114), Ill.  
 Randolph, Frances (II 57), D. C.  
 •Randolph, John W. (Gen. 0), Ala.  
 Randolph, Susan (Gen. 0), Ala.  
 †Randolph, Winslow H., Jr. (Gen. 0), D. C.  
 Ratcliffe, Ella B. (Gen. 0), D. C.  
 Rauber, Mary C. (Gen. 31), D. C.  
 •Ray, Hartzell Harrison (Pre-Medical 125), Kans.  
 Rea, Virginia (II 56), D. C.  
 Read, Francis Parker (Gen. 0), N. C.  
 Reams, Arthur Arnold (Gen. 544), Pa.  
 Reams, Charles E. (Gen. 30), Va.  
 Reardon, James Leonard (Comm. 301), Ill.  
 †Reardon, Lucy (Gen. 67), Va.  
 Rector, Anna Blunk (Gen. 99), Ind.  
 Rector, Thelma Mills (Gen. 0), D. C.  
 Redford, Carrall Morris (Pre-Legal 0), Ky.  
 •Redinger, Carl C. (Comm. 117), W. Va.  
 Reed, Fred C. (V 46), D. C.  
 Reed, John Alton (Pre-Medical 47), D. C.  
 Reed, John Robert (Pre-Legal 0), Md.  
 •Reed, Mabel C. (Gen. 20), D. C.  
 Reeder, Emily (Comm. 18), D. C.  
 Reese, Fay (Gen. 9614), Tex.  
 Reha, Margaret (Gen. 0), D. C.  
 Rehr, Bertha R., Ill.  
 •Reinhardt, Beatrice Drake (Gen. 0), Tenn.  
 Reinsmith, Harold A. (Gen. 2), D. C.  
 Reisinger, Anna Louise (Gen. 0), D. C.  
 †Reisinger, John Charles (Gen. 0), D. C.  
 Renz, Millard F. (Pre-Medical 87), D. C.  
 Reville, Lula Davis, Ga.  
 •Reyman, Arthur E. (Gen. 25), D. C.  
 •Reynolds, George Wendell (Pre-Legal 6), D. C.  
 Rhoads, Rebecca (Gen. 42), Va.  
 Rhoads, Helen Theresa (Gen. 0), D. C.  
 Rhodes, Marjorie T. (Gen. 0), D. C.  
 Rhodes, Mary Regina (Gen. 0), D. C.  
 Rice, Julius Herbert (Gen. 0), Pa.  
 •Richards, Virginia (Comm. 57), D. C.  
 Richards, William (Gen. 0), D. C.  
 Richardson, Edwin Leland (Pre-Legal 2214), La.  
 †Richardson, Florence Gertrude (Gen. 0), D. C.  
 Richardson, Margaret (II 61), D. C.  
 Richmond, Alice A. (Gen. 0), D. C.  
 Riley, Terrence G. (Pre-Medical 25), Del.  
 Rinehart, John C. (Pre-Legal 0), D. C.  
 Ristig, Martin Harold (Gen. 0), D. C.  
 Ritchie, Robert E. (Gen. 37), Mich.  
 †Ritchy, Harry Glen (Comm. 0), Va.  
 Robb, Clark T. (Gen. 30), D. C.  
 Robb, David Arthur (Pre-Legal 0), D. C.  
 Robb, Helen Frances (Gen. 0), D. C.  
 Robb, Vivian (Gen. 30), Iowa  
 •Roberts, George Leathwhite (Gen. 139), D. C.  
 Roberts, Helen Louise (Gen. 0), N. Y.  
 Robinson, Dorothy (Gen. 68), D. C.  
 Roca, Jose Costillote (Gen. 0), P. I.  
 Roe, Grace L. (Gen. 37), Va.  
 Roebken, Esther M. (Gen. 4514), D. C.  
 Rogers, Otho L. (Pre-Legal 15), Miss.  
 †Roll, Gerald John (Gen. 0), Minn.  
 Rollins, Pearl S. (Gen. 6), Mass.  
 Ronning, Minnie Madison (Gen. 32), Minn.  
 †Ronning, Ruth K. (Gen. 0), Minn.  
 Ronsaville, Virginia (Gen. 30), Md.  
 •Rooney, William F. (Comm. 119), Mass.  
 •Roosafy, Violet (Pre-Legal 0), D. C.  
 Rose, Katherine D. (Gen. 0), D. C.  
 Rose, Lorraine Serrin (Gen. 36), D. C.  
 Rosenthal, Jacob (Gen. 39), N. Y.  
 Ross, Arthur Henry (Gen. 0), Me.  
 Ross, Harriet (Gen. 0), D. C.  
 •Ross, Nannie Lee (Gen. 0), N. C.  
 Rosson, Bernard Allen (Pre-Medical 0), D. C.  
 •Rotsler, William M. (Gen. 125), Utah  
 Rothenberger, Alice B. (II 0), Pa.  
 Roush, Alan Dwight (Gen. 49), Ohio  
 Royster, Wallace E. (Gen. 24), Minn.  
 •Ruark, Paul F. (Comm. 0), D. C.  
 Ruby, Evelyn E. (Comm. 0), Wis.  
 •Ruff, Herman A. (Pre-Medical 0), N. Y.  
 Ruhlman, Carl D. (Gen. 0), D. C.  
 Russell, Archibald L. (IV 24), D. C.  
 Russell, Frank E. (Comm. 30), Ala.  
 •Russell, Paul R. (VI 126), N. Y.  
 Rutley, Joseph S. (Comm. 40), D. C.  
 Rutenber, Howard Smith (Comm. 0), N. Y.  
 •Ryan, Alfred Edwin (Gen. 85), D. C.  
 Ryan, Elmor Carl (Gen. 0), D. C.  
 Ryder, Kathleen (Gen. 48), D. C.  
 •St. John, Joe Harold (Gen. 30), D. C.  
 Sadoff, Joseph (Pre-Legal 48), N. J.  
 •Sager, George (Gen. 0), N. Y.  
 Saka, Theodore (Pre-Legal 0), D. C.  
 †Salmon, Sue (Gen. 46), D. C.  
 Salter, Ulysses (Pre-Legal 0), D. C.  
 Sammons, Esther (Gen. 0), D. C.  
 •Sanborn, Dorothy Elizabeth (II 23), D. C.  
 Sandhi, Phra (Gen. 7614), Siam  
 Sanger, Janice Elizabeth (Gen. 0), D. C.  
 Santer, Blanche H. (Gen. 0), D. C.  
 †Saribay, Teofilo B. (II 0), D. C.  
 Sawyer, Verdon Aldrich (Gen. 51), N. Y.  
 Scarborough, Dorothy L. (Pre-Medical 30), Tex.  
 †Scarborough, Houston M. (Gen. 0), Tex.  
 Scarborough, Marianne (Pre-Medical 0), D. C.  
 †Scogin, Clyde Wakefield (Gen. 0), D. C.  
 Scordos, Crist Gabriel (Gen. 94), D. C.  
 Scott, Frances Marion (II 18), D. C.  
 •Scott, Hugh Andrew (Gen. 44), N. C.  
 Seovell, Jennie A. (III 75), D. C.  
 Schaefer, Marie Josephine (Gen. 0), Va.

- Schain, Morris M. (Pre-Medical 54), N. Y.  
 \*Scheel, Mary Margaret (Gen. 3), D. C.  
 Schils, Harold L. (Pre-Legal 0), N. Y.  
 Schmidt, Lillie T. (Gen. 81), D. C.  
 \*Schofield, Edmund Louis (Pre-Legal 0), Mass.  
 \*Schoneberger, Elizabeth Hind (Gen. 0), D. C.  
 Schotts, Isia (Pre-Medical 36), D. C.  
 Schreiber, Edwin Daniel (Pre-Medical 36), D. C.  
 Schrieker, John Adams (Gen. 12), N. H.  
 \*Schroeder, Julia Anna (Gen. 40), Iowa  
 Schubert, Cora Lee (Gen. 33), Tenn.  
 Schulse, Richard P. (Comm. 51), D. C.  
 †Schupp, Claud Irving (Gen. 0), D. C.  
 Schuster, Marjorie L. (II 4), Va.  
 Schwar, Felix Conrad (Pre-Medical 12), N. Y.  
 Schwar, Raphaela E. (Gen. 0), D. C.  
 \*Schwinghammer, Antoinette C. (Gen. 0), D. C.  
 †Schwinn, George Hamilton (Gen. 15), D. C.  
 \*Schwinn, Gordon Gaddess (Gen. 14), D. C.  
 \*Sears, Barnabas F. (Pre-Legal 0), Ill.  
 Sedam, Robert Weir (Gen. 12), D. C.  
 Sedgwick, Paul James (Pre-Legal 0), D. C.  
 Seibert, Thomas H. (Gen. 33), D. C.  
 Seibold, Louis Edward (IV 66), D. C.  
 Seitzick, Ruth Sarah (Pre-Legal 0), N. J.  
 †Selvey, Helen R. (Gen. 43), D. C.  
 \*Sessions, Fred Thomas (Gen. 0), D. C.  
 †Seymour, Emily S. (Gen. 0), D. C.  
 \*Severe, Howard Richardson (Comm. 0), Md.  
 Shafer, Cecile (Gen. 0), D. C.  
 Shanholzer, James C. (Gen. 87), W. Va.  
 Shanks, Paul Bernard (Comm. 0), W. Va.  
 Shanner, Thomas (Pre-Legal 0), D. C.  
 \*Shapiro, Irvin (Gen. 0), D. C.  
 Shapiro, Samuel (Pre-Medical 36), Md.  
 Sharswood, Florence E. (Gen. 18), D. C.  
 Shaw, Helen (Gen. 61), D. C.  
 Shaw, Eugene Carey (Comm. 0), Ky.  
 Shearman, Janet C. (Gen. 95), D. C.  
 \*Sheehan, Dan J. (Gen. 0), N. J.  
 \*Shefferman, Martin (Gen. 0), D. C.  
 \*Sheirburn, Mary Page (Comm. 0), Md.  
 Shelton, Edwin E. (Pre-Legal 0), D. C.  
 \*Shenos, James (Gen. 0), Greece  
 Shepard, Ernest Sewall (Gen. 68), D. C.  
 \*Shepard, Alice M. (Gen. 84½), N. H.  
 Shepherd, Clara Margaret (Gen. 79), Md.  
 Sheppard, Florence L. (Gen. 0), Kans.  
 Sherman, Benjamin (Pre-Medical 30), Conn.  
 Sherwood, Winifred (Gen. 78), Colo.  
 Shields, Theodore Thomas (Pre-Legal 0), Minn.  
 Shipman, Lois (Gen. 0), D. C.  
 Shireman, Myrtle (Gen. 22), Neb.  
 Shoemaker, Mary Elizabeth (Gen. 0), D. C.  
 Shoemaker, Mary Katherine (Gen. 30), D. C.  
 Shore, Dorothy Louise (Gen. 0), D. C.  
 Short, Augusta (Gen. 127), Miss.  
 Showalter, Forrest P. (Comm. 80), D. C.  
 \*Shreve, Charles Everett (Gen. 15), D. C.  
 †Shreve, William Oliver (Gen. 0), D. C.  
 Shumaker, William W. (Pre-Legal 39), D. C.  
 Silver, Ronald A. (Gen. 85), Colo.  
 Simmonds, James Henry (Pre-Legal 30), Va.  
 Simmons, Hope Hanna (Gen. 23), D. C.  
 Simon, Lois Josephine (VI 33), D. C.  
 Simonton, Margaret (Gen. 69½), N. Y.  
 \*Simpson, Lenna Mae (Gen. 0), Mich.  
 \*Simpson, Vivian Virginia (Gen. 123), D. C.  
 Singer, Mabel (Gen. 0), Pa.  
 \*Singer, Ruth Wilson (Gen. 0), D. C.  
 Sinnott, Virginia (Gen. 20), D. C.  
 Sisk, Joseph (Gen. 0), Md.  
 Sisson, Albert Franklin (Gen. 19½), Ark.  
 Skehan, Jerome Francis (Comm. 108), Pa.  
 Skinner, Nelson R. (Pre-Legal 0), D. C.  
 †Slapnicka, Helen (Gen. 75), Iowa  
 Slechta, Marie (Gen. 6), D. C.  
 \*Smart, Elsie Rowena (Pre-Medical 39), D. C.  
 Smoot, H. Kenneth (I 30), D. C.  
 \*Smith, Albert (Gen. 84), D. C.  
 Smith, Anita Phillips (Gen. 0), D. C.  
 Smith, Carleton D. (IV 39), Iowa  
 Smith, Della (II 6), Okla.  
 Smith, Earl C. (Pre-Medical 0), D. C.  
 \*Smith, E. Mabel (Gen. 0), Va.  
 Smith, Frank (Pre-Legal 42), N. Y.  
 Smith, Hazel Julia (Gen. 0), Mass.  
 Smith, Helen (Gen. 0), D. C.  
 \*Smith, Jonas (Pre-Legal 0), D. C.  
 Smith, Joseph Glen (Gen. 12), Va.  
 Smith, Katherine Louise (Gen. 6), D. C.  
 Smith, Louis Charles (Comm. 9), D. C.  
 Smith, Louise (Gen. 91), D. C.  
 Smith, Lyne (II 68), D. C.  
 \*Smith, Mabel M. (Gen. 76), Pa.  
 \*Smith, Marguerita E. (IV 115), Pa.  
 \*Smith, Mary Hnley (Gen. 0), Tenn.  
 \*Smith, Miriam Elisabeth (Gen. 0), D. C.  
 Smith, Walter J. (Gen. 0), Ind.  
 Sneed, Mary Miller (Gen. 86), Va.  
 Snell, Gerard Hallock (Gen. 0), D. C.  
 Snelling, Elsie C. (Gen. 42), D. C.  
 Snure, Anne (Gen. 0), Md.  
 Soeth, Dorothy (Gen. 90), Iowa  
 Solet, Lee (Pre-Medical 0), D. C.  
 Solt, James Earl (Gen. 18), Md.  
 \*Somers, Charles J. (Pre-Medical 130), N. J.  
 †Sommer, Abram Ellison (Gen. 0), N. J.  
 Sorber, D. Glenn (III 111½), Wash.  
 †South, Jay Henderson (Gen. 0), Ohio  
 Spangler, George Wilt (Gen. 48), Pa.  
 \*Spangler, Wanda V. (Pre-Medical 38), Ga.  
 Speiden, Alice Prentiss (Gen. 3), D. C.  
 Speiden, Charlotte Louise (Gen. 18), D. C.  
 \*Spencer, Richard (Gen. 120), Mo.  
 Sperry, August W. (Gen. 36), N. J.  
 Spiegler, Arnold Abraham (Pre-Medical 0), N. Y.  
 Spielman, Eleanor (Gen. 0), D. C.  
 Spielman, William Paul (Gen. 98), Va.  
 †Spire, Louise Arvilla (Gen. 0), D. C.  
 Spitzer, Cora Lucile (Gen. 26), D. C.  
 Sponsler, Winifred Frances (Gen. 0), D. C.



- \*Sprague, William Worth (Pre-Legal 0), Va.  
 Springer, Elizabeth Virginia (Gen. 0), D. C.  
 Stabler, May Atkinson (Gen. 51), D. C.  
 Stafford, Edward Thomas (Gen. 16), D. C.  
 Stafford, Vera Lee (Gen. 44), D. C.  
 \*Stanback, Lester (Gen. 120), Miss.  
 Standard, Robley (Gen. 0), D. C.  
 Stanfill, Robert Carroll (Gen. 96½), Tenn.  
 Stansfield, Joseph Q. (Comm. 0), D. C.  
 Stanton, William Henry Wentworth (I 102), D. C.  
 Starr, Ethel Densmore (Gen. 69), N. Y.  
 \*Stearns, Morris S. (Pre-Legal 12), D. C.  
 †Stearns, Robert Maynard (Gen. 0), Iowa  
 Steele, Lucy Elizabeth (II 90), D. C.  
 Steenrod, Virginia Ruth (Pre-Legal 0), Ohio  
 \*Steers, Thyra (Gen. 0), D. C.  
 Stein, David (Pre-Legal 0), D. C.  
 †Stevens, Dorothy Belle (Comm. 30), Okla.  
 Stewart, Elizabeth White (Gen. 23), Calif.  
 Stewart, James William (Pre-Medical 42), D. C.  
 †Stewart, Margaret Bell (Gen. 0), D. C.  
 Stewart, Margaret M. (IV 107), D. C.  
 Stewart, T. Dale (Pre-Medical 74), Pa.  
 Stickley, Elizabeth (Gen. 0), Md.  
 Stoen, Bennett Adolph (Pre-Medical 0), Minn.  
 †Stonnelle, Edward Louis (Gen. 0), Va.  
 Storch, Dorothea Furlain (II 93), Va.  
 Stout, Wyatt W. (Comm. 75), Ohio  
 Stratton, Clifford B. (Gen. 80), Colo.  
 Strawbridge, Francis Neilson (Pre-Medical 24), D. C.  
 Strother, Louise Jane (Gen. 76), W. Va.  
 Stuart, Francis Edgar (Pre-Medical 58), Va.  
 Stubbs, Gilpin Vincent (Pre-Legal 34), Pa.  
 \*Stumpf, Howard Clark (Gen. 0), D. C.  
 Sturm, Edna L. (II 15), Ind.  
 Suguitan, Demetrio (Pre-Legal 91), P. I.  
 \*Suit, Mildred Shelton (Gen. 0), D. C.  
 \*Summerlin, George Thomas (Gen. 70), Pa.  
 \*Sunderland, Grace Horris (Gen. 0), M.  
 Sumio, Alberto (Gen. 9), P. I.  
 Sutfin, James Arthur (III 87), D. C.  
 Suttkus, Reuben (Gen. 0), D. C.  
 Sutton, Don F. (III 80), D. C.  
 Svihla, Arthur (Gen. 97¼), Ill.  
 Swain, Esther Merle (Gen. 3), Mich.  
 Swain, Julian Haywood (Pre-Medical 28¼), N. C.  
 Swanton, Lucy Ada (Pre-Medical 0), D. C.  
 \*Swedenborg, Edward A. (122), Idaho  
 Sweeney, Eugene F. (Comm. 29), D. C.  
 Sweeney, Mary A. (IV 30), D. C.  
 Sweeney, William T. (III 101), Va.  
 Swinson, Carl R. (Comm. 0), D. C.  
 Sylvester, Barbara Comfort (Gen. 36), D. C.  
 Tabb, Samuel Lester (Pre-Medical 33), Md.  
 Talbert, Elsie Mary (Gen. 30), Md.  
 Tapley, Mabel (Gen. 6), D. C.  
 \*Tarbell, Mary Moreland (Gen. 0), D. C.  
 \*Taylor, Doretta (Gen. 0), D. C.  
 Tennyson, Joseph Burch (Gen. 30), D. C.  
 Tepper, Elizabeth Ross (Gen. 34), D. C.  
 \*Terhune, Lilah Benedict (IV 46), Ind.  
 \*Terrell, Robert Lewis (Pre-Legal 15), Va.  
 Terrill, Alice C. (Gen. 62), Md.  
 \*Terrill, Clarence Louis (Gen. 57), Md.  
 Terwilliger, Gilbert Wilfred (Gen. 0), Minn.  
 †Terwilliger, Ross Webster (II 0), Conn.  
 †Tester, John Daniel H. (Gen. 0), Wash.  
 \*Thayer, Olive M. (Gen. 21), Ill.  
 Thom, Emma Mertins (Gen. 88¼), D. C.  
 \*Thomas, Cyrus Douglas (Pre-Legal 2), N. Dak.  
 Thomas, Edward Clifton (Gen. 0), Md.  
 †Thomas, Florence (Gen. 0), D. C.  
 \*Thomason, Ben Daniels (Gen. 11), D. C.  
 Thompson, Edward (Pre-Legal 0), Pa.  
 Thompson, Edwin Clarence (Pre-Medical 35), Md.  
 Thomson, Frances B. (Gen. 24), N. C.  
 \*Thrasher, Carrie Elizabeth (Gen. 0), Md.  
 \*Thrasher, Hilda R. (Gen. 0), Md.  
 Tilly, Ella Porter (Gen. 0), D. C.  
 Timberlake, Erdine Rosalind (Gen. 6), D. C.  
 †Thompkins, Margaret H. (Gen. 21), D. C.  
 Toner, Caroline Estelle (Gen. 22), D. C.  
 \*Tonkin, Mary Elizabeth (Gen. 0), D. C.  
 \*Torrey, Morgan Coywood (Pre-Legal 24), D. C.  
 \*Towle, Marie Louise (Gen. 0), D. C.  
 \*Towner, William S. (Gen. 4), N. Mex.  
 Tracey, Marjorie E. (Gen. 50), Md.  
 Trainor, Maurice Jerome (Gen. 10), Md.  
 Transue, Russell Levi (Pre-Legal 27), D. C.  
 Treadwell, Shirley (Gen. 48), Conn.  
 Trembley, Helen Louise (Gen. 18), D. C.  
 Trenholm, Gerald Lee (IV 47), S. Dak.  
 Tron, Robert A. (Gen. 72), D. C.  
 Tschiffely, Dorothy Brown (Gen. 24), D. C.  
 Turner, Jettie (Gen. 3), Tex.  
 Turner, Julian B. (Pre-Legal 0), Va.  
 Turoff, Dora M. (Gen. 40), D. C.  
 \*Uhl, Robert Henry (Gen. 0), Ohio  
 Underwood, Raymond (Gen. 0), D. C.  
 Usilton, Lida J. (Gen. 108), D. C.  
 Useery, Elizabeth Ann (Gen. 27), Va.  
 Vaccaro, Josephine M. (II 102), Italy  
 Valden, Ermytrude Virginia (Gen. 34), D. C.  
 Vail, Margaret Lee (Gen. 32), D. C.  
 Valck, Jeanette (Gen. 30), D. C.  
 Van Casteel, Mary G. C. R. (Gen. 0), Md.  
 Vanderlip, Robert Griswold (Gen. 27), D. C.  
 \*Van Der Vies, Marie (Gen. 2), Va.  
 \*VanFossan, Robert Leland (Comm. 28), Ohio  
 Van Riper, Gertrude (Gen. 12), Ill.  
 Van Slyke, Bertha Marion (II 6), D. C.  
 \*Van Wagner, George H. (Pre-Legal 11), D. C.  
 Velarde, Antonio Acosta (Pre-Medical 31¼), P. R.  
 Van Wagoner, Leah (Gen. 0), Utah  
 Veley, Edna Louise (II 62), D. C.

- Vernon, Arthur Alexander (Pre-Medical 14), Ireland  
 \*Vickers, Rose (Gen. 126), Md.  
 †Villalon, Emeterio G. (Gen. 24), D. C.  
 Villaneuva, Paterno (Pre-Medical 97 3/4), D. C.  
 Volandt, Mildred S. (Pre-Legal 24), D. C.  
 VonDachenhausen, George (Pre-Legal 27), D. C.  
 Voorus, Robert A. (II 101), Pa.  
 †Wade, Adrienne E. (Gen. 0), D. C.  
 Wade, Hope D. (Gen. 6), Iowa  
 †Waesche, Hugh Henry (Gen. 30), D. C.  
 Wagner, Harry Frederick (Pre-Legal 15), D. C.  
 Wagner, Anna Elizabeth (Gen. 0), Md.  
 Wagner, Katherine (Gen. 9), Ill.  
 \*Wagner, Vaughn Edwin (Comm. 19)], Pa.  
 Wagner, Wilbert Dean (Comm. 0), Pa.  
 †Wainwright, Charles Edward (Gen. 82), D. C.  
 Waldman, Sophia F. (II 66), D. C.  
 Walker, Frances E. (I 48), D. C.  
 Walker, Frances Estelle (Gen. 33), D. C.  
 Walker, Robert T. W. (Gen. 0), D. C.  
 Wallace, Edna (Comm. 0), Fla.  
 Wallace, Lillian Gertrude (Gen. 0), D. C.  
 \*Wallace, Ralph W. (IV 128), Okla.  
 Wallace, Virgil Parker (Pre-Legal 0), Ark.  
 Walls, Harry F. (Comm. 89), Pa.  
 Walsh, John Patrick (Pre-Medical 0), N. Y.  
 Walsh, Martin J. (Gen. 0), D. C.  
 Walstrom, Joe Davis (Comm. 0), Mo.  
 Walter, Arthur Henry (IV 24), Ky.  
 Walter, Jessie L. (Comm. 16), Ill.  
 †Walton, Ruth Aline (Gen. 0), Pa.  
 Ward, Robert Spencer (III 9), D. C.  
 Ward, Ruthellen (Gen. 2), D. C.  
 Ward, William English (Pre-Legal 9), D. C.  
 Warren, Dorothy (Gen. 93), D. C.  
 Wascher, Ethel A. (Gen. 18), Ill.  
 Wasson, Charles Clifford (Pre-Medical 0), Pa.  
 Waters, David (Comm. 12), D. C.  
 Watkins, Julia Wakefield (Gen. 60), S. C.  
 Watkins, Mary Virginia (Gen. 55), S. C.  
 Watkins, Samuel A. (VI 42), N. C.  
 \*Watt, Eleanor Louise (Gen. 0), D. C.  
 \*Watt, Lucy (I 102), Pa.  
 Watsman, Percy (Pre-Legal 55 1/4), D. C.  
 \*Webb, Dorothy Elizabeth (Gen. 0), D. C.  
 Webb, Mrs. Edith (Gen. 85)], Va.  
 Webb, Willard (Gen. 36), Tenn.  
 Weber, George Samuel (Pre-Medical 36 1/4), Md.  
 Weber, Raymond C. (Pre-Legal 55 1/4), Pa.  
 Weeks, Carrie (Gen. 0), Va.  
 Weigel, Mary Frances (Gen. 85), Md.  
 Weikel, Frank (Pre-Legal 6), D. C.  
 Weikert, Donald (Gen. 63), Pa.  
 Weikert, Gladys L. (Gen. 56), D. C.  
 Weinberg, Gertrude (Gen. 0), D. C.  
 Weller, George Louis (Pre-Medical 0), D. C.  
 Welling, Park Atkinson (Gen. 0), D. C.  
 Welliber, Allan J. (Comm. 22), D. C.  
 Wells, Joseph William (Comm. 0), D. C.  
 \*Welsh, Nellie Irene (Gen. 27), Pa.  
 \*Welsh, William Aloysius (Gen. 96), D. C.  
 †Werner, George Henry (II 0), N. Y.  
 Weasly, Genevieve (Gen. 6), D. C.  
 West, Caroline D. (Gen. 75), Va.  
 Weston, Winnifred (Comm. 0), D. C.  
 Wetmore, Myrtle Pearl (Gen. 3), D. C.  
 \*Whalen, James Joseph (Gen. 87), Pa.  
 †Wheat, James Walter (Pre-Legal 0), D. C.  
 Wheeler, Helen May (Comm. 18), S. Dak.  
 Whiting, Ruby L. (Gen. 54), D. C.  
 White, Grace D. (Gen. 0), Iowa  
 White, John Turner (VI 43), D. C.  
 White, Marjorie (Gen. 0), D. C.  
 White, Winifred (Gen. 24), Fla.  
 Whitney, Mary Florence (Gen. 0), D. C.  
 Whyte, Louise Ellwood (IV 9), D. C.  
 Wibirt, Margaret B. (Gen. 88), Va.  
 Wiland, Mary June (Gen. 0), Pa.  
 †Wilcox, Alice (Gen. 0), N. Y.  
 Wilgus, Mildred (VI 102), Ohio  
 Wilkes, James C. (IV 69), D. C.  
 Wilkins, Martha Elizabeth (Gen. 0), Ga.  
 Willey, Hazel Itasca (Gen. 24), Md.  
 †Williford, Imogene (IV 54), Miss.  
 †\*Willis, Rosalie Lucy (Gen. 0), Ala.  
 Willets, George Hughes (III 113), Pa.  
 Wills, Margaret Louisa (Gen. 0), D. C.  
 Williams, Alice (Gen. 0), D. C.  
 Williams, Burrus (Comm. 0), D. C.  
 Williams, Carrie A. (II 84), Mo.  
 Williams, Enid C. (Gen. 0), D. C.  
 Williams, Georgia S. (Pre-Medical 3), D. C.  
 †Williams, Harold T. (Gen. 0), Ga.  
 \*Williams, John Allen (IV 12), Va.  
 Williams, M. Ruth (II 62), D. C.  
 \*Williams, Mathilde D. (Gen. 102), D. C.  
 Williams, Roger B. (Gen. 4), D. C.  
 Williams, Robert Sneed (Gen. 16)], D. C.  
 Williams, Virginia Claire (Gen. 15), D. C.  
 Wilson, Bertha Orris (Gen. 24), Me.  
 Wilson, Gordon (Comm. 39), D. C.  
 Wilson, Margaret (Comm. 0), Va.  
 Wilson, Nathan Joseph (Pre-Medical 67), Conn.  
 Wilson, Ruth Spenser (Gen. 0), D. C.  
 Wilson, Samuel Park (Gen. 43 1/4), D. C.  
 Wilson, Thomas Barnette (Pre-Medical 64), Ia.  
 Wiltbank, Elizabeth (Gen. 0), D. C.  
 †Wimer, Martha Elizabeth (Gen. 105), D. C.  
 †Windsor, Norma May (Gen. 0), D. C.  
 Winn, Agnes S. (IV 714), Wash.  
 †Winn, Arthur Louis (Gen. 0), D. C.  
 \*Winship, Lawrence A. (Comm. 0), Calif.  
 \*Winter, Mrs. Charles E. (Gen. 0), D. C.  
 Winter, Violet E. (Gen. 0), D. C.  
 Winter, Warren Hutchison (Pre-Legal 0), D. C.  
 Wise, Hattie Marie (Gen. 0), D. C.  
 Wise, William Harvey (Gen. 0), Va.  
 Wolfe, Jared Dunn (Pre-Medical 27), Pa.  
 Wolpe, Ethel Dixie (II 73), D. C.  
 \*Wolt, Helen J. (Gen. 58 1/4), Neb.  
 Wood, Katherine Elisabeth (Pre-Legal 0), D. C.  
 Woodard, Paul Davis (Comm. 14), D. C.  
 \*Woodward, Charles Wycliffe (Gen. 0), Va.  
 Woolf, Janet Aileen (Gen. 50), D. C.  
 Woolf, Edward M. (Pre-Legal 0), D. C.  
 Worden, James R. (Gen. 0), D. C.



- Wormser, Hazel M. (II 30), Kans.  
 Wornall, Roma (Gen. 34), Mo.  
 Wrenn, Katherine Thompson (Gen. 74), D. C.  
 Wright, Debbye Jean (II 113), Ark.  
 Wright, Frederick Holmes (Gen. 120), Calif.  
 †Wright, Henry P. (Gen. 0), D. C.  
 Wright, John B. (Comm. 18), D. C.  
 Wright, Katherine V. (Gen. 94), D. C.  
 Wright, Mendor (Pre-Legal 63), Va.  
 †Wright, Melvin James (Gen. 0), Ill.  
 †Wright, Muriel F. (Gen. 0), D. C.  
 \*Wright, Stephen Maitland (Gen. 0), D. C.  
 Wrightson, Ann (Gen. 30), D. C.  
 \*Wynkoop, Virginia Helen (Gen. 0), D. C.  
 Yale, Miles Augustus (Gen. 27), Conn.  
 Yang, Y. K. (Comm. 0), China.  
 \*Yates, Andy D. (Gen. 0), Va.  
 Yearns, Kenneth (Gen. 15), D. C.  
 Yeoman, Opal Virginia (Gen. 46), D. C.  
 †Yochelson, Irving Bernard (III 0), D. C.  
 Yoder, John Byers (Gen. 0), Pa.  
 Yougour, Sonia S. (Gen. 59), D. C.  
 Young, Gertrude Marion (Gen. 0), Miss.  
 Young, Harold M. (III 48), D. C.  
 Young, John Clifton (Pre-Legal 30), Ga.  
 Young, Joseph Rogers (Pre-Medical 0), D. C.  
 Youngman, Frederick Ewin (IV 85), Wyo.  
 Zapolsky, Arthur Arnold (IV 54), N. Y.  
 Zeimet, Carlo (Gen. 76), Switzerland  
 †Ziegler, Richard Edward (Gen. 0), D. C.  
 Zimmerman, Gretchen Oller (II 76), Pa.  
 Zirkle, Vernon B. (IV 105), Va.  
 Zoll, Mary Dunlay (Gen. 0), Va.  
 Zollar, Herbert H. (Pre-Medical 0), Ohio  
 Zuberano, Henry Albert (Gen. 9), D. C.

## SPECIAL STUDENTS

- \*Aaronson, Ruth J., D. C.  
 Abel, Myrtle, Ill.  
 Abrams, Dorothy, D. C.  
 Adelson, Gertrude, Pa.  
 Aiken, Hazel Jane, Pa.  
 †Allen, Mabel Randolph, Va.  
 Alley, Marion Smith, Mo.  
 †Almanez, Jesus, P. I.  
 †\*Alter, Louise M., D. C.  
 †Anda, Magnus, Calif.  
 \*Anderson, Alice Maybelle, Nebr.  
 \*Anderson, Dorothy, D. C.  
 Anglin, Geraldine, Minn.  
 \*Ankeny, Stella S., D. C.  
 April, Ella, N. J.  
 †Armentrout, Grace H., D. C.  
 \*Arthur, Margaret M., D. C.  
 Babcock, W. S., D. C.  
 Baker, Elfrida Marie, D. C.  
 Baker, Hatley E., W. Va.  
 \*Baker, Virginia, Md.  
 Ball, George Lindray, D. C.  
 Ballard, Clara E., D. C.  
 †Bangert, Mary Louisa, D. C.  
 †Banville, William Francis, D. C.  
 †Barker, Fowler Wesley, Calif.  
 Barlow, Rosetta E., D. C.  
 †Barnes, Madeline B., D. C.  
 Barnett, Shelton John, D. C.  
 \*Barrett, Alice F., Ill.  
 †Barrett, Mary Eleanor, D. C.  
 Barry, Thomas, Jr., Okla.  
 Bassett, Jane B., Conn.  
 Baxley, Olive, S. C.  
 Baxter, Mercia, D. C.  
 Beach, Theodore Elmer, Va.  
 \*Bean, Mary J., D. C.  
 †Becker, Edna Marie, D. C.  
 Becker, Gertrude, D. C.  
 †Belk, Ethel Cora, S. Dak.  
 †Belk, Vida Mary, S. Dak.  
 Bell, Frances, Va.  
 \*Belt, Norvell, D. C.  
 \*Bennett, Ava L., Ohio  
 †\*Bennette, Helen J. C., D. C.  
 \*Benson, Burns, D. C.  
 Bentley, Thomas B., D. C.  
 \*Beppler, Elsie M., N. Y.  
 Berow, Louise O., D. C.  
 †Bergin, Edward P., D. C.  
 Berliner, Vera Bailey, D. C.  
 Berry, Martha H., D. C.  
 Besley, Elma, Va.  
 \*Bier, Mrs. Alice K., D. C.  
 Bigelow, Jessie N., D. C.  
 Biser, Rosebelle, Md.  
 Black, Gladys, D. C.  
 Blackshear, Paul D., Ga.  
 Blaine, Margaret, Pa.  
 Blaylock, Enos Mason, Idaho  
 Blinn, Florence A., D. C.  
 †Block, Christine Alberta, D. C.  
 Block Katie, D. C.  
 †Bloxm, Mary Elsie, Va.  
 Bobbitt, Vera C., D. C.  
 †\*Bogue, Mary C., Me.  
 Boldtmann, Harriett, W. Va.  
 Booth, Eleanor D., D. C.  
 †Borgstadt, Ettie G., Mrs., D. C.  
 Boudia, Najali Elizabeth, N. J.  
 Boyd, Susan M., Pa.  
 Boyer, Ruth N., D. C.  
 Brall, Marie E., D. C.  
 Branscomb, Jessye F., D. C.  
 \*Brewer, Bernice Louise, Va.  
 Brillhart, Frances, D. C.  
 Brinton, Mrs. Minnie J. C., Va.  
 Broder, Simon, N. Y.  
 †Brogg, Henry Peyton, D. C.  
 \*Brooks, Beulah May, Md.  
 Brown, Grace, Tenn.  
 \*Brown, Leona, D. C.  
 \*Brown, Ralph Powers, Md.  
 Browne, Herbert Collier, D. C.  
 Bruce, Mary Oron, Va.  
 †Buchanan, Josephine Grace, Ind.  
 Buck, Clarence L., Wis.  
 Buck, Rodia F., W. Va.  
 Buckingham, Eleanor Louise, D. C.  
 Buckingham, Frances Espey, D. C.  
 Budd, Julius J., N. Y.  
 Buechele, Emma, Iowa  
 Bugboe, Mary F., D. C.  
 Hullock, Earl Milton, Md.  
 Burfoot, Jennie, N. C.  
 Burgdorf, Ada Belle, D. C.  
 †\*Burger, Frances C., N. Y.  
 Burns, Frances Alice, N. J.

- \*Burns, Magdalen T., Minn.  
 \*Burns, R. C., Ohio  
 \*Butler, Marie Coburn, D. C.  
 \*Byer, Leslie C., Mass.  
 Byrne, Alma E., D. C.  
 \*Cafrits, Elizabeth, D. C.  
 Cage, Ora E., Calif.  
 \*Callander, William F., Va.  
 Campbell, Jean T., D. C.  
 Campbell, Katherine Lloyd, D. C.  
 \*Campbell, Lelia Belle, D. C.  
 Campbell, Myrtle, Ala.  
 \*Carnell, Annie G., D. C.  
 \*Carow, Hyacinth Anna, D. C.  
 Carpenter, Mary F., D. C.  
 Carpenter, Mary Williams, D. C.  
 Carpenter, Thomas Kinsey, D. C.  
 Carr, Frederick C., Tenn.  
 Carroll, Mary H., Md.  
 \*Carter, Leola W., D. C.  
 Castle, Thelma M., D. C.  
 Cassive, Earle Willmont, D. C.  
 Cates, Lenh Mae, D. C.  
 \*Catron, Davie, Miss.  
 †Cavanaugh, Frederick, N. Y.  
 Cawthorne, Hugh Stockmen (Sp. Pharm.), Md.  
 †Chambers, Harriett Hawkins, D. C.  
 Chandler, William Snyder (Pre-Legal), D. C.  
 Chenault, Roy L., Ky.  
 Chilson, H. C., D. C.  
 \*Chinn, Mabel C., Ind.  
 Christison, Frances L., Wis.  
 \*Clark, Mrs. Edgar E., D. C.  
 Clark, Elizabeth C., D. C.  
 Clark, Mrs. Wm. E., D. C.  
 †Clarkson, Blanche Anna, D. C.  
 Coakley, Harry Boyd, Va.  
 \*Cockrell, Norma V., Ala.  
 Cole, Dorsey M., D. C.  
 Coles, John Keith (Pre-Legal), Md.  
 †Collins, Helen Elizabeth, D. C.  
 \*Collins, Margaret Mary, D. C.  
 Collins, Marie E., D. C.  
 Colton, Bruce Stranger (Pre-Legal), D. C.  
 Connell, Paul Arthur, D. C.  
 \*Connelly, Mary Magdalen, D. C.  
 Connor, Mary, D. C.  
 Cook, Mrs. Laurel D., Md.  
 \*Cook, Mabel R., D. C.  
 \*Cooper, Mary Evelyn, Iowa  
 \*Coronado, Hortensia, D. C.  
 †Coagrove, Frances E., Wis.  
 \*Costello, Helen M., Mrs., D. C.  
 Cotter, Ellen M., D. C.  
 Cotton, John Arthur, Ohio  
 \*Cousins, Christopher, D. C.  
 \*Cousins, Florence Elizabeth, D. C.  
 Cox, Mrs. H. A. (Pre-Legal), D. C.  
 \*Coyle, Blanche Eve., D. C.  
 Crans, Lillian, D. C.  
 Creeden, Sara A., Va.  
 Creel, Mildred Hampton, D. C.  
 Crippen, Catherine W., Md.  
 Crisp, Edwin S., D. C.  
 †Crockett, Lillian James, Tenn.  
 †Croffutt, Beattie B., D. C.  
 Crouter, Earl (Pre-Legal), Wyo.  
 \*Crowell, Adelaide E., D. C.  
 Crump, Janie Knoxie, D. C.  
 \*Crutcher, Luile Mae, D. C.  
 †Crutchley, Bertha J., Ill.  
 †Culbertson, Mary H., D. C.  
 Cullman, Edmund Paul, N. Y.  
 Culpepper, C. W., Ala.  
 †Culver, Vivian, Vt.  
 Cunningham, Laura J., Ind.  
 \*Dahl, Anna, Iowa  
 Dalton, Jessie L., Vt.  
 †Darby, James Lawrence, N. Mex.  
 Darrow, Charlotte B., D. C.  
 †Darley, Mary Lillian, Va.  
 David, Charlotte E., N. Y.  
 \*Davis, Ewin (Miss), Tenn.  
 \*Davis, Margaret, Tenn.  
 Davison, David Samuel, D. C.  
 \*Dawson, Lilita, D. C.  
 Day, Sara M., D. C.  
 Dean, Eloda B., D. C.  
 †Deans, Amelia Byrd, D. C.  
 Decker, Dorothy Ferns, Ohio  
 Defontes, Marion Teresa, D. C.  
 De Leon, Santiago, P. I.  
 \*DeMeritt, Carrie Ellen, D. C.  
 De Mott, George Lynn, Va.  
 Dempsey, Hester Mae, Va.  
 Dent, Walter Thomas, D. C.  
 \*Devlin, Veronica Anne, D. C.  
 \*Dickinson, Marie Anna, D. C.  
 \*Dodd, Luther Calvin, Va.  
 Dodek, Sophie, D. C.  
 Domigan, Martha Amelia, Ohio  
 Donohoe, Sarah F., D. C.  
 Donaldson, Grace, N. C.  
 Donovan, Elizabeth F., Ind.  
 Dowell, Mabel Faye, Ohio  
 \*Drake, Helen, N. Y.  
 Drow, Janet McCallum, D. C.  
 Driscoll, Stephen J., Mass.  
 \*Duggan, Edda, Ga.  
 Duggan, Roy Theo., Ill.  
 †Dulles, Mrs. Clover Todd, D. C.  
 \*Duncan, Marion Rosalie, D. C.  
 Dunlap, Lorena, D. C.  
 Dunne, Eleanor Creswell, D. C.  
 Dyar, Edna Gerriah, Minn.  
 Edwards, Edith V., Ohio  
 Ehrhart, Mabel B., D. C.  
 Elbert, Bernice E., D. C.  
 Ellsworth, Lulu Edna, Mich.  
 Embey, Mary S., Va.  
 \*Engberg, Russell Carl, Iowa  
 Erwin, Katherine Adelaide, N. C.  
 Escher, Julia M., Ariz.  
 Eskin, Herman (Pre-Legal), D. C.  
 \*Evans, Dorothy Dimple, Colo.  
 Evans, Florence M., Pa.  
 \*Evanston, Louise, D. C.  
 Everett, Bailey, D. C.  
 \*Everett, Lucile Kennedy, D. C.  
 \*Faherty, Agnes Mary, D. C.  
 \*Fallon, Douglas, D. C.  
 \*Farrar, Lillian I., D. C.  
 \*Farrar, Margaret E., D. C.  
 Farrell, Agnes M., D. C.  
 Farris, May, Ind.  
 \*Fassett, Helen W., D. C.  
 Feather, Edith, D. C.  
 \*Feeder, Halley May, D. C.  
 \*Feild, Sam Cleage, Tenn.  
 \*Feller, Ralph W., D. C.  
 †Fenley, Mary Louise, D. C.  
 †Ferguson, Elizabeth G., D. C.  
 \*Fesler, Ruth, Minn.  
 \*Field, Pattie H., Colo.  
 Finney, Sally E., D. C.  
 Fisher, Josie Anne, D. C.



- Fitzgerald, Doris May, Mass.  
 Fitzgerald, Kathleen, Ireland  
 \*Flehr, Mabel E., D. C.  
 \*Flynn, Leo J., D. C.  
 Folger, Worth Bagley, D. C.  
 Fulliard, Edward T., D. C.  
 Foote, Myrtle Bennett, Mrs., Md.  
 Ford, Charles Isaac, D. C.  
 Ford, Donna Leslie, D. C.  
 \*Foreman, Genevieve M., Ill.  
 Fowlkes, Lura Brown, Mrs., Ala.  
 Frank, Hilde, Germany  
 \*Frear, Eunice E., D. C.  
 \*Freeman, Dorothy, Ill.  
 \*Freeman, Elsie M., D. C.  
 \*Freeman, Rose H., D. C.  
 \*Friedman, Harry, Md.  
 Frits, Florence Ruth, D. C.  
 †Froehlich, Wilfred E., Md.  
 \*Frost, Frances, D. C.  
 \*Fry, Lennie A., D. C.  
 \*Funk, Kate Cline, D. C.  
 Gainey, Mary C., D. C.  
 Gallup, Ruth, D. C.  
 †Gamble, Jeannette, Mrs., Md.  
 Garber, Sara E., D. C.  
 \*Gardner, Carl Wade, N. J.  
 \*Gardner, Emma Almeda, D. C.  
 Garrard, Katherine, Ky.  
 †Garrett, Laura Jeanne, Va.  
 Gaskins, John W. (Pre-Legal), D. C.  
 Gates, Isabel L., D. C.  
 George, Claire C., D. C.  
 Gervais, Florence Helena, D. C.  
 Gervais, Helen E., D. C.  
 Gervais, Mae C., D. C.  
 Ghani, Fuad Abdul, Egypt  
 \*Gianniny, Dorothy V., Va.  
 \*Giese, Robert Victor, Iowa  
 †Gilbert, Doris Frances, Nebr.  
 \*Gilbreath, Bertha I., D. C.  
 \*Gilman, Iva Ruth, Me.  
 †Ginberg, Ethel, D. C.  
 †Girodour, Esther Eleanor, N. J.  
 Glascock, Fannie E., D. C.  
 Glaser, Myron, D. C.  
 Goldberg, William D. (Pre-Legal), D. C.  
 \*Goldman, Rose L., N. Y.  
 \*Goldstein, Hyman M., D. C.  
 †Goldstein, Louis John, D. C.  
 \*Gowana, Mary Alicia, D. C.  
 Grady, Jenny Powell, D. C.  
 †Graff, George C., D. C.  
 \*Grape, Ella Gertrude, D. C.  
 Graves, Mrs. Bob Ell, D. C.  
 Gray, E. Camilla, Tex.  
 Grouvold, Ingeborg Solveig, Minn.  
 Guernsey, Lillian A., Va.  
 \*Haddock, David Stanford, Ga.  
 Hall, Jane C., N. J.  
 Hall, Lela Elizabeth, S. C.  
 Hamilton, Hugh Ralston, D. C.  
 Hamilton, Miles Hoadley, D. C.  
 \*Hansch, Alfred Max, Germany  
 Hanson, Thomas R., N. Mex.  
 Hardy, Elsie Elizabeth, D. C.  
 Harper, Grace, Ill.  
 \*Harper, Guy (Pre-Legal), D. C.  
 †Harris, A. L., D. C.  
 Harris, Estelle, D. C.  
 \*Harris, Martha C. C., Va.  
 Harris, Pauline E., W. Va.  
 Harrison, Mrs. Lolla Smith, D. C.  
 Harry, Sabra Amelia, D. C.  
 Harter, Iola Jane, D. C.  
 Hasskarl, Augustus, I., Nebr.  
 Hastings, Atherton, D. C.  
 Hawthorne, Mary L., Va.  
 \*Headley, Mary, D. C.  
 \*Hecox, Geneva J., Va.  
 Hedrick, Eleanor T., D. C.  
 \*Held, Carlene W., D. C.  
 Heller, William L. (Pharmacy), Va.  
 Henderson, Elisabeth, D. C.  
 Hendrixson, Velma, Ohio  
 \*Herges, Gertrude H., D. C.  
 Hermann, Schley Walter, D. C.  
 \*Hill, Gertrude J., England  
 Hill, Jordan DuBois, D. C.  
 Eipple, Nettie J., D. C.  
 Hobbs, Juanita C., Mrs., D. C.  
 Hocker, Edith O., Tex.  
 Hoff, Flora S., N. Y.  
 †Hoge, Edith Straub, D. C.  
 Hoisington, Edna, Ohio  
 †Holmes, Gladys, D. C.  
 Holmes, Osgood W., D. C.  
 Honaker, Ethel, Va.  
 Hopkins, Annie G., D. C.  
 \*Hopkins, Marion Bernice, D. C.  
 \*Hosbaugh, Clara, D. C.  
 \*Houston, Dorothy Louise, D. C.  
 \*Howry, Elizabeth B., D. C.  
 Hubbard, Annie Louise C., D. C.  
 Hubbard, Sarah Virginia, D. C.  
 †Huff, George Wynn, D. C.  
 Hughes, Katherine L., D. C.  
 Hull, Sara, Ohio  
 \*Humphreys, Marguerite, S. C.  
 Humphrey, Juanita D., D. C.  
 Hundley, James C., D. C.  
 Hunt, Odessa King, D. C.  
 †Hursh, Evelyn Smith, D. C.  
 \*Hutchins, Lora K., Mich.  
 \*Hutchison, Anna A., Ohio  
 Hyatt, Lena Rose (Pre-Legal), D. C.  
 \*Ireland, Louise Davis, D. C.  
 Isaacs, Raymond M., Ohio  
 Jacobs, Emma Suter, D. C.  
 †Jacobson, Eugene M., Calif.  
 †Jaffe, Harry, Conn.  
 \*Janushas, Victoria, D. C.  
 Jarvis, Irene Lause, D. C.  
 †Johnson, Elizabeth S., Pa.  
 Johnson, Jasper L., D. C.  
 \*Johnson, Mannie, Tex.  
 \*Johnson, Marion J. J., N. Y.  
 Johnston, Edna Louise, D. C.  
 †Jones, Charles L., D. C.  
 †Jones, Emmeline H., Md.  
 Jones, Marvin Z., Md.  
 Jones, Viola D., Ore.  
 †Jones, William Sewall, D. C.  
 \*Jordan, Bessie Means, D. C.  
 \*Kader, Loys E., D. C.  
 Kanode, Grace I., D. C.  
 Kardys, John Albert, Conn.  
 \*Karganilla, Leopoldo, P. I.  
 Kauffman, Henry Julian, D. C.  
 \*Kauffman, Wilbur R., Pa.  
 Keefer, Bessie M., D. C.  
 Kelton, Mrs. Robert H. C., D. C.  
 \*Kendall, Jennie Marie, D. C.  
 Kennedy, Mrs. Clephane, D. C.  
 Kersten, Maude Marie Elsie, Ill.  
 Kessler, Albert E., D. C.  
 \*Kimble, J. Norman, D. C.  
 †King, Archibald, D. C.

- \*King, Marion R., D. C.
- King, Robert Earle, Wash.
- Kinner, Harold C. (Pharmacy), Md.
- \*Kinsey, Louise Hamilton, D. C.
- Kinsworthy, Anne P., Ark.
- \*Kinyon, Helen M., Mich.
- \*Kirstein, Edythe, D. C.
- \*Klawans, Hattie, D. C.
- Knappen, Judson N. Cross, Md.
- Knight, Dorothy Catherine, Ohio
- †Kohr, Morgan Julius, D. C.
- \*Kostmayer, Edna W., Ia.
- \*Krause, Flora Buist, D. C.
- Ku, Jenchieh S., China
- Landfair, Mary Loretta, Pa.
- \*Landis, Florence P., D. C.
- †Lane, Mary, N. Y.
- \*Laney, Nora Estelle, N. C.
- Lang, Patience Virginia, Va.
- Langdon, Nannie D., Pa.
- Lapham, J. E., D. C.
- LaQuay, Robert R., Md.
- Last, Mary Pearl, Pa.
- \*Latta, James Bullen, D. C.
- †Latterman, Katherine Ida, Pa.
- Laun, Irene, Ky.
- \*Lawless, Mrs. Julia H., D. C.
- Lawrence, Donna Katherine, N. Y.
- \*Lawrence, Robert Vaughn, Ind.
- \*Lay, Edith, D. C.
- Leach, Florence Tower, D. C.
- †Leach, Mary Beatrice, W. Va.
- \*Learned, Frank C., D. C.
- Leddy, Andrew F., N. Y.
- \*Lee, Eva A., Miss.
- \*Lee, Mary E., Me.
- Leech, Francis R., D. C.
- Legg, Uranie, S. C.
- Lemon, Frank Martin, Va.
- Lessner, Carlyn Bernice, D. C.
- †Levinson, Jacob, N. Y.
- †Lewis, Margaret Amelia, D. C.
- Lewis, Muriel Maxine, Pa.
- Lewis, Ruth P., D. C.
- \*Lillie, James H., D. C.
- Lindley, Laura, Mich.
- †Lippitt, Minnie H., W. Va.
- \*Little, John F., Sr., D. C.
- Littlepage, Carolyn L., D. C.
- \*Livesay, Lucetta Courtney, Va.
- †Lockwood, Alice P., D. C.
- Lovell, Ellen, Tenn.
- Lowell, May L., D. C.
- \*Luedtke, Charles L., Minn.
- \*Luginbuhl, Kathryn Louise, D. C.
- †Lummis, Dayton Maxwell, N. Y.
- †Lutz, Anna, D. C.
- Lyle, Virginia, D. C.
- †Lynch, Mary Gertrude, D. C.
- Lynch, W. A., D. C.
- \*Lynn, Thomas Noel, Jr., D. C.
- Lyon, Rowland, D. C.
- MacDonald, Charles T., D. C.
- \*MacDuff, Gertrude T., Ind.
- \*MacIntosh, Cecil Donald (Pre-Legal), D. C.
- MacMillan, Mrs. Pauline Wagner, Ill.
- McCarthy, Gertrude M., Mass.
- McCarty, Oneta, Wash.
- McClelland, Vesta G., Ill.
- McDaniel, Frederick L., D. C.
- †McDaniel, Kate, Ky.
- McElroy, Mary B., D. C.
- McFadyen, Mary, N. C.
- \*McGugin, Verna Mary, Ohio
- McIntyre, Bessie R., Wis.
- †McKee, Mary Virginia, Miss.
- \*McKenna, Marguerite, D. C.
- McKenney, Mary Blythe, Va.
- \*McKiever, Katherine L., S. C.
- McLane, Ralph Urner, Md.
- McManus, Paul A., D. C.
- McRobie, Ruth, Md.
- \*McVicker, Angela Russell, D. C.
- \*Main, William Clark, D. C.
- Major, Ruth F., D. C.
- Marbury, Mary S., D. C.
- †Marbut, Helen, D. C.
- \*Marks, Eugene Ransdell, D. C.
- †Marques, Maria Catherine, D. C.
- Martin, Bessie Jewell, D. C.
- \*Martin, Cecilia Barber, D. C.
- †Martin, Elisabeth F., D. C.
- Martin, Lena, D. C.
- Martin, Myrtle M., Ill.
- Mather, Gertrude Mary, Canada
- Mattox, Virginia A., Va.
- Maxwell, Ellen Marshall, D. C.
- \*Mayes, Blanche G., Ark.
- Mead, Edith May, Mass.
- Mechelke, Lynne, Wis.
- Melton, Vera Laabe, Md.
- Mercier, Alfred A., D. C.
- †Merigold, Marguerite, Ky.
- Merrill, Alice Thompson, D. C.
- †Merritt, Muriel Fleming, D. C.
- Michel, Magdalena Edna, Mont.
- \*Mildenstein, Elsa M., Iowa
- Miller, Kenneth Ray, Pa.
- Miller, Marion A., D. C.
- \*Miller, Marion Margaret, D. C.
- †Milliken, Claude A., Tenn.
- Milliken, Rhoda Jameson, D. C.
- Milton, Mrs. Martha Lohner, D. C.
- †Minkin, Leah, D. C.
- \*Minor, Forrest T., Ky.
- Minter, Robert Randolph, Va.
- Mitchell, Jessie Marshall, D. C.
- \*Mitchell, Mamie, Mo.
- Mix, Anna E., Md.
- Moffat, Henry K., D. C.
- \*Monroe, Aura L., Mich.
- \*Montgomery, Susanne G., Md.
- Mood, Joseph (Pre-Legal), Ill.
- Moomaw, Marion, Md.
- \*Moore, Achua Violet, D. C.
- Moore, Marie, Ohio
- Moore, Robinson Brooks, Va.
- Morresi, Mrs. Louisa E., D. C.
- Morresi, Nestorius F., N. Y.
- \*Morris, Charles M. (Pre-Legal), D. C.
- †Morris, Julia C., Nev.
- \*Morrissette, Otis Bradley, D. C.
- †Moseley, Stuart Younger, Va.
- Moulton, Monemia Agnes, D. C.
- Mueller, Franklyn Jack (Pre-Legal), Wis.
- Muldrow, Lillian, D. C.
- \*Muldron, Louise, D. C.
- Muller, Richard F. A., D. C.\*
- \*Mulligan, Marguerite M., D. C.
- Munro, Jessie, N. Y.
- \*Murphy, Gladys, D. C.
- †Murphy, Katherine Mary, D. C.
- Murphy, M. Regina, D. C.
- \*Murphy, Mallie John, D. C.
- \*Mussina, Erma Mae, D. C.
- Myers, Mattye Belle, Mo.



- \*Napier, Mary Jane, Tenn.  
 Naylor, James Marion, D. C.  
 Nelson, Cora E., Minn.  
 \*Nevasair, Leon Smith, D. C.  
 Nelson, Cora E., Minn.  
 \*Nevasair, Leon Samuel, D. C.  
 Neville, Lulu Davis, Ga.  
 \*Newcombe, Frederick William, D. C.  
 Newman, George, N. Y.  
 \*Newman, Paul C., Ore.  
 \*Niehaus, Nettie, Mich.  
 Nixon, Helen Ann, Mass.  
 \*Nock, Fannie R., D. C.  
 Nolan, Willis J., D. C.  
 Norfolk, Edith Ruth, Va.  
 Northrop, Vernon D. (Pre-Legal), Pa.  
 Novall, Mary Anne, D. C.  
 \*Nowlin, Ada Braby, D. C.  
 Oberholser, Mary Forrest, D. C.  
 \*Ohr, Bertha McKay, D. C.  
 \*Olays, Maria F., D. C.  
 \*O'Leary, Bertha Frances, Conn.  
 O'Meara, Francis Edward (Pharm.), Va.  
 \*Oppen, Clara Louise, D. C.  
 Orlosky, Andrew Joseph, D. C.  
 \*Orndorff, Mildred Lee, Va.  
 †O'Rourke, John T., Jr., D. C.  
 Osmond, Harvard, Utah  
 †Osterhout, Karl J., Pa.  
 †Osthaus, Goodin Prender, D. C.  
 \*Overton, Helen, Ind.  
 Owings, Charlotte, D. C.  
 \*Oyster, Mary Gilpin, D. C.  
 Pabst, Bertha E., D. C.  
 \*Palmer, Eleanor L., D. C.  
 Palmer, Viola May, Miss.  
 Parker, Albert Ben., D. C.  
 Parkinson, Virginia, W. Va.  
 †Parton, Virginia M., D. C.  
 \*Pasley, Zola Mae, N. C.  
 †Paul, Grace Marie, Ind.  
 †Paulson, Freeman R., Iowa  
 Payne, Sylvia E., D. C.  
 †Pease, Margaret C., Mass.  
 Peoples, Elizabeth Kalb, D. C.  
 Peirce, Lottie M., Md.  
 Pelatawaki, Helen, Conn.  
 \*Pelkonen, Fred J., Finland  
 \*Pennebaker, Amelia L., Ky.  
 Perkins, Manlius Mills, Vt.  
 †Perkins, Ruth Bodley, D. C.  
 Perkins, Ruth Kathrine (Pre-Legal), D. C.  
 \*Perle, Helen Clara, D. C.  
 \*Perrin, Harry Wesley, Iowa  
 \*Perry, Kathleen Bond, D. C.  
 Person, Benjamin V., Tex.  
 †Peterson, Robert Dupree, Tex.  
 Petropoulos, Peter C., Smyrna  
 Pettijohn, Hazel G., Ill.  
 Pettitt, Bernard A., D. C.  
 Peyton, Inez Genevieve, Minn.  
 \*Phillips, Altina Lane, Mrs., D. C.  
 \*Phillips, C. Louise, D. C.  
 Pine, Helen G., Mich.  
 \*Pinette, Mattie, Mo.  
 Pitta, Lorena, D. C.  
 †Plant, Katherine Morton, Calif.  
 Pool, Minnie Elizabeth, Miss.  
 Poole, Minnie Letha, D. C.  
 Porotti, Fortunato, Italy  
 Postley, Olive C., D. C.  
 Powell, Edith Belle, D. C.  
 Powell, Mary Agnes, Ill.  
 \*Price, Chester Franklin, Ala.  
 \*Price, Gladys, D. C.  
 \*Price, Walter Willard, D. C.  
 \*Purdy, Eugene H., D. C.  
 \*Putski, Eleanor Peyton, D. C.  
 \*Quaid, Alice Bostrico, D. C.  
 Quinn, Joseph Patrick, Mass.  
 †Quirk, Timothy Joseph, D. C.  
 Raison, Violet, D. C.  
 †\*Ramsay, Elizabeth, D. C.  
 \*Ranieri, Bruno Salvatore, Pa.  
 Rankin, William M., Jr., D. C.  
 \*Rapp, Paul Louis, D. C.  
 Rawlins, George T., N. C.  
 \*Ray, Ruth R., D. C.  
 †Raymond, Virginia L., D. C.  
 \*Read, Elsie A., D. C.  
 Reed, Helen E., D. C.  
 †\*Rees, Virginia, Md.  
 Regardie, Jacob Theodore, England  
 Reid, Helen Gibson, Mrs., D. C.  
 Remey, Estelle Read, Va.  
 \*Renn, Walter F., Mo.  
 \*Renshaw, Mary Lillian, D. C.  
 Resnek, Solomon (Pharmacy), D. C.  
 Rhine, Alice L., Md.  
 \*Rhodes, Freda Lowell, D. C.  
 Richart, Ruth Elizabeth, D. C.  
 \*Richmond, Susan Virginia, D. C.  
 Riggles, Mary D., D. C.  
 Riggles, Nelly F., D. C.  
 \*Riber, Bertha Rosera, Ill.  
 Ring, Mathilde C., D. C.  
 \*Rippey, Aaron Stanton, D. C.  
 Rishel, Julia Brown, D. C.  
 Ritter, Ruth, D. C.  
 Rives, Rosalie Henry, Va.  
 \*Robin, Myrtle, D. C.  
 Robinson, Edith, Pa.  
 Rockwood, John Norman (Pre-Legal), D. C.  
 Rod, Isadore (Pharmacy), D. C.  
 Rodger, George C., Jr., D. C.  
 Rohrbach, Jesse W., Jr., D. C.  
 Rohrer, Dorothy D., D. C.  
 †Roland, Helen Charlene, Ill.  
 †Roneche, M. Agnes, D. C.  
 †Rose, Alice L., D. C.  
 Rose, Irving Samuel (Pre-Legal), D. C.  
 Rose, Theodore E., D. C.  
 \*Rosenberg, Freda E., Md.  
 \*Ross, Charles Andrew, D. C.  
 Ross, David William, N. Y.  
 \*Rubenstein, Edith, D. C.  
 Rugg, Ellen Marshall, D. C.  
 †Ruppert, Minnie L., D. C.  
 Rupperecht, Elsie Christine, D. C.  
 Russell, J. Townsend, Jr., Pa.  
 Rutheiser, Paul (Pre-Legal), N. Y.  
 \*Ruthford, Ruth, Ky.  
 Ryan, Betty M., Mass.  
 †Sadler, Harold Davis, Ark.  
 Sanborn, Laura B., Me.  
 \*Saunders, Alma E., D. C.  
 \*Saunders, Alma N., D. C.  
 †Saunders, Ethel, D. C.  
 \*Saunders, Mildred E., D. C.  
 \*Schaffer, Jacob M., D. C.  
 Scharinger, Anna, Md.  
 Scheer, Ruben, Md.  
 \*Schoenrich, Mrs. Evah L., D. C.  
 \*Schoff, Ethel Ruth, N. H.  
 Schott, Loren Fletcher, D. C.  
 Schwartze, Annie J. (Mrs.), D. C.

- Schwartz, Erich W., Ill.  
 Schwartzman, Aron, D. C.  
 Seigle, Solomon S., Md.  
 Selbe, Paul Benton, D. C.  
 Seldon, E. Julia, S. C.  
 Selvey, George, D. C.  
 Senior, Mildred Ruth, Kans.  
 †Serpac, Aselie B., La.  
 Shanahan, Katherine A., Kans.  
 \*Shants, Mrs. Lucia S., D. C.  
 Shaw, Margaret, D. C.  
 †Sheldon, Robert B., D. C.  
 Shelton, Mamie R., Va.  
 \*Shipley, Carrie H., D. C.  
 †Shipley, Walton Earl, D. C.  
 Shipley, Wood, D. C.  
 Shoemaker, Frances May, D. C.  
 Siegal, Abner, D. C.  
 Silvester, Jane B., Va.  
 \*Simmons, Frances Evelyn, D. C.  
 †Simons, Mary Ellen, Tex.  
 Simonton, Marion Frances, D. C.  
 \*Simpson, Lydia Gertrude, Me.  
 †Sissumst, Helen Alice, D. C.  
 †Sisson, Mildred Myrteen, D. C.  
 Skelly, Frank Gerard, Pa.  
 Skliar, Robert, D. C.  
 \*Slaybaugh, Edith, D. C.  
 Smith, Anna Blackwood, D. C.  
 \*Smith, Florence A., D. C.  
 Smith, Isabelle, G., D. C.  
 Smith, Lida M., Va.  
 Smith, Lura Elizabeth, N. Y.  
 Smith, Mignon, N. C.  
 \*Smith, Rena Belle, Mass.  
 †Smith, Rhea E., Va.  
 Smith, Sarah, D. C.  
 \*Smith, Voca Louise, D. C.  
 \*Smith, William, D. C.  
 \*Smythe, Edith Virginia, D. C.  
 Somerville, Thomas, Jr., D. C.  
 \*Spencer, Ruth Dove, D. C.  
 \*Spengel, Freda, Ill.  
 Spicer, Ruth, Kans.  
 Spitzer, Thelma K., D. C.  
 \*Springmann, Douglas Mandel, Va.  
 †Spurrer, Catherine Griffith, D. C.  
 †Squires, Frances H., D. C.  
 Srisook, Charurn, Siam.  
 Stabler, E. Kenneth, Va.  
 \*Stacks, John Edward, Md.  
 Stage, Marion Hamilton, N. Y.  
 Stanford, Haddock D., Ga.  
 Stanley, Elsie May, D. C.  
 Stansbury, Helen Miller, D. C.  
 \*Stanson, Oscar, Okla.  
 Steele, Mrs. Luella V., Mich.  
 \*Steelman, Stanley L., N. J.  
 Stewart, Agnes H., D. C.  
 Stewart, Ernest Lee, W. Va.  
 †Stewart, Grace C., W. Va.  
 \*Stieg, Esther, D. C.  
 †Stock, Mrs. Mollie T., Md.  
 Stocker, Grace E., Md.  
 \*Stormont, Jean Elizabeth, D. C.  
 Stranghan, Marion Lawson, D. C.  
 \*Strider, Mabel F., D. C.  
 \*Strother, David H., W. Va.  
 Sugnet, Everett Hale, D. C.  
 \*Sullivan, Ida W., Md.  
 \*Sullivan, Joseph Lawrence, R. I.  
 Sullivan, Mary E., Iowa  
 Suran, Raymond C. (Pro-Legal), Okla.  
 Sutter, Anna Barbara, Pa.  
 Swartsman, Aron, D. C.  
 †Symons, Mildred Louise, D. C.  
 \*Talbert, Lewis E., D. C.  
 Talley, Jacob W., D. C.  
 \*Tastet, Helen Sanford, D. C.  
 Taylor, Blanche, D. C.  
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 Van Tyne, Ida A., D. C.  
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 Vipond, A. Stuart, D. C.  
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 Chatelain, Leon (Arch. 72), D. C.  
 Chinn, Marion Wesley (E.E. 15), D. C.  
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 Clapham, Wentworth B. (C.E. 38), N. Y.  
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 Clark, Wesley Cowdin (M.E. 15½), Mass.  
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 Cruickshank, Jesse C. (C.E. 0), D. C.  
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 Deatherage, Alice Pauline (Arch. 6), D. C.  
 DeGroot, Henry Burton (E.E. 3), D. C.  
 \*DeLesdernier, Stafford C. (E.E. 0), D. C.  
 DeLaahmutt, Thomas (C.E. 4), Va.  
 Dempsey, James Bryan (M.E. 71), Kans.  
 Dennison, Edward Urban (M.E. 0), D. C.  
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 Deuterman, Linden (Arch. 45), Va.  
 Deuterman, Martin (E.E. 26), Va.  
 Dick, Frederick F. (Chem. 126), N. Y.  
 Dickens, John R. (M.E. 14), D. C.  
 Diedrich, Fred Calvin (Chem.Eng. 22), D. C.  
 Digges, Thomas G. (Physics 94), Va.  
 Dix, Meryn William (E.E. 0), D. C.  
 Dixon, Harry Brice (Chem.Eng. 106), D. C.  
 diZerega, Frederic C. (E.E. 0), Va.  
 Doran, Helen Fay (Arch. 28), D. C.  
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 \*Dove, Franklin William (Arch. 0), D. C.  
 Downs, Edgar (E.E. 0), D. C.  
 †Duehring, George Clifford (? 0), D. C.  
 Dunlap, Edward Twiss (Arch. 0), D. C.  
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 Epperson, William Philip (Chem.Eng. 115), Mo.  
 Ericson, George Robert (M.E. 0), D. C.  
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 Erwin, Harold E. (M.E. 21), Va.  
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 Evans, William Ellsworth (Chem. 0), D. C.  
 Everett, Hugh (C.E. 54), Tex.  
 Ewin, James Lithgow (C.E. 78), D. C.  
 Exley, Clarence M. (Chem.E. 26), D. C.  
 Fahy, Joseph J. (Chem.Eng. 100), D. C.  
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 Frey, Cullen (Chem. 97), D. C.



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 Furr, Roger Thomas (M.E. 62), D.C.  
 \*Gage, Lawrence A. (Chem. 48 1/4), D.C.  
 Garman, George Guy (E.E. 63), Pa.  
 Gebhard, Louis August (E.E. 7), N. Y.  
 Gesaford, Ross Kerr (E.E. 0), D.C.  
 Girouard, Philias Henry (M.E. 102), R. I.  
 Gleason, Walter Blackwell (M.E. 22), D.C.  
 Goldsmith, Joseph Blackstone (C.E. 83), Va.  
 Gorman, Martin (Chem. 0), Conn.  
 Gould, Murray W. (E.E. 57), D.C.  
 Graff, George Umberger (Chem.E. 54), D.C.  
 Graham, Daniel Parsons (Chem.E. 92), Calif.  
 Graham, Henry (E.E. 0), D.C.  
 Gray, Briscoe Baldwin (M.E. 70), D.C.  
 Gray, Joseph Edward (C.E. 70), D.C.  
 Greenberg, William (C.E. 95), D.C.  
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 Hahn, D. E. (E.E. 34), Md.  
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 Hanback, Bryant Levi († 0), D.C.  
 †Hand, Ellsworth Joseph (E.E. 0), D.C.  
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 Hensley, Richard G. (E.E. 43), Tenn.  
 Hepburn, David Nell (M.E. 93), D.C.  
 Hepburn, Norman C. (M.E. 9), D.C.  
 Herges, Edward Peter (C.E. 24), D.C.  
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 Hess, Laurie Floyd (C.E. 6), D.C.  
 \*Higgins, James Marshall (Arch. 25), D.C.  
 \*Hilton, Keith E. (C.E. 0), D.C.  
 Hipsley, Arthur Phoebus (Chem.Eng. 0), D.C.  
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 Karn, Bradley (Arch. 0), Md.  
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 †Meyer, Edwin Godwin (E.E. 15), D. C.  
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 \*Miller, Miles Dwight (E.E. 0), D. C.  
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 †Montgomery, Hugh Bishop (M.E. 16), Md.  
 \*Moore, G. Emerson (Arch. 75), Va.  
 \*Morrow, Homer Dalton (Chem. Eng. 0), Mo.  
 Moseman, John William (M.E. 43), D. C.  
 Moss, Samuel Alfred (E.E. 0), D. C.  
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 Nickols, Frank Andre (C.E. 120), Md.  
 Niemeyer, Herbert F. (E.E. 68), D. C.  
 Nilson, Ralph Gilbert (E.E. 0), Mass.  
 Nolan, Edward George (Chem. 31), D. C.  
 Norson, Henry Thomas (Chem. Eng. 9), England.  
 Nugent, John A. (M.E. 26), Va.  
 O'Connor, John F. (B.S. 0), D. C.  
 O'Connor, Thomas E. (El. Eng. 24), D. C.  
 Ogilvie, John Earle (Chem. 16), Va.  
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 Ostrand, Chester (C.E. 0), D. C.  
 Panis, Joaquin (C.E. 102), P. I.  
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 Phillips, Alex. H., Jr. (M.E. 93), D. C.  
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 Pidgen, Rosin (E.E. 0), D. C.  
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 Plugge, John A. (Arch. 0), D. C.  
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 Press, Emil A. (M.E. 6), D. C.  
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 †Rayer, Walter John ( ), D. C.  
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 Reed, Raymond H. (E.E. 47), D. C.  
 †Rhea, Robert Hamilton (C.E. 0), Va.  
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 Riggs, George Henry, Jr. (Arch. 34), Md.  
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 Rohrbach, Boyd F. (C.E. 21), D. C.  
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 Ross, Orin E. (M.E. 29), D. C.  
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 Soars, Frances Leota (Arch. 118), Pa.  
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 Wilson, A. H. (E.E. 124), D. C.  
 Winkler, Joseph H. (Chem.E. 126), D. C.  
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 Woodward, Clarence M. (Arch. 143), Mich.  
 Woodward, Helen (Chem. 68), D. C.  
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 Darby, Margaret I. (0), D. C.  
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 Foster, Charles F. (24), D. C.  
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 Friedman, David (79), Md.  
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 Frye, Virginia King (54), D. C.  
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 Garma, Marcelina (0), D. C.  
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 Garrela, Harriet Elsie (116), D. C.  
 Garrett, Mary E. (48), D. C.  
 \*Geschickter, Minnie (37), D. C.  
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 Goldiner, Eva (0), D. C.  
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 Graham, Edgar (113), Ark.  
 Graham, Jeanecey K. (74), Mo.  
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 Green, Mildred (76), D. C.  
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 Greenwood, Katherine E. (61)  
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 Holden, Ruth (25), Tenn.  
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 Howard, Josephine T. (12), Va.  
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 \*Hughes, Hazel Dorothy (57), D. C.  
 Hull, George Russell (0), Md.  
 Hunter, Susie M. (0), Va.  
 Hutson, Ruth B. (111), D. C.  
 Iglehart, Donald Hunt (0), D. C.  
 \*Israel, Winifred Boyer (0), D. C.  
 †Ivey, Georgiana Curran (0), D. C.  
 Jackson, Jean Van Loan (48), D. C.  
 Jamieson, Elizabeth C. (0), D. C.

- Jamison, Patty Ann (60), D. C.  
 Janson, Elsie (18), D. C.  
 Jaquette, M. Louise (21), D. C.  
 Jester, Mary Elisabeth (0), Va.  
 \*Johnson, Emily W. (127), Va.  
 Johnson, Catherine V. (29), Va.  
 Johnson, Mrs. Laskey W. (0), D. C.  
 †Johnson, Laskey (0), D. C.  
 Johnston, Alma M. (78), D. C.  
 Jones, Virginia Margaret (35), D. C.  
 †Judd, Ruth Chapman (484), D. C.  
 Kale, Norma Josephine (60), England  
 Kaplowitz, Rebecca (96), N. J.  
 †Karmany, Edward L. (12), D. C.  
 \*Karpeles, Lotta May (125), D. C.  
 Kaue, Selma (105), Ohio  
 †Keller, William Fulton (0), Md.  
 Kellogg, Helen M. (48), D. C.  
 Kemball, Dorothy J. (58), D. C.  
 Kennedy, Mabel L. (85), Va.  
 \*Kennedy, Mary Hanford (48), D. C.  
 Kennelly, Anna M. (68), D. C.  
 Kirby, Virginia (96), D. C.  
 Kroell, Marie Elsie (0), D. C.  
 Krouse, Clara M. (61), D. C.  
 Kundahl, Rose Evelyn (97), D. C.  
 Kupfer, Julie A. (0), D. C.  
 Lackey, Mary (10), D. C.  
 \*Ladson, Gertrude Louise (10), D. C.  
 La Fontaine, Mary Rila (0), D. C.  
 Lambiase, Rose Mary (0), D. C.  
 Lang, Idamay (96), D. C.  
 Lantel, Catherine M. (98), D. C.  
 \*Larner, Marion (64), D. C.  
 Lautenschlager, May (6), D. C.  
 Leapley, Mrs. Lillian T. (0), D. C.  
 Leekie, Mary Virginia (94), Wyo.  
 Le Hew, Helen Frances (8), D. C.  
 Lerch, Sara R. (81), Pa.  
 Levinson, Rose (24), Va.  
 \*Lewis, Elizabeth S. (107), D. C.  
 Lind, Alma Grace (85), Iowa  
 \*Lind, Ida May (124), D. C.  
 \*Lindsay, Elizabeth V. (48), D. C.  
 \*Lockwood, Margaret Mary (100), D. C.  
 Luers, Edna May (0), Md.  
 Lupton, Helen Augusta (69), D. C.  
 Lusby, Viola B. (14), D. C.  
 MacPherson, Mary E. (9), Va.  
 Maize, Margaret E. (0), D. C.  
 Malcolm, Eugenia Ross (6), Iowa  
 \*Maloney, Emma J. (64), D. C.  
 Marks, Gladys Elizabeth (101), D. C.  
 \*Marshall, Mary Elizabeth (70), D. C.  
 †Marshall, Vilet Anath (0), D. C.  
 Martin, Mrs. Gladys A. (83), Iowa  
 \*Martyn, Jeannette E. (18), Va.  
 Massoletti, Lillie (0), Va.  
 Masterson, Elizabeth (30), D. C.  
 \*Mazen, Sylvester D. (0), D. C.  
 \*McAuliffe, Eleanor P. (48), D. C.  
 McCauley, Irma Gertrude (80), D. C.  
 McCauley, Mildred King (0), D. C.  
 McClelland, Anna (30), D. C.  
 McCollam, Helen Ann (68), D. C.  
 McCrillis, Paul (36), S. Dak.  
 McDonnell, Mary J. (20), D. C.  
 McDonough, Marguerite T. (39), D. C.  
 McGown, Ruth J. (103), D. C.  
 McKenna, Laura E. (72), N. H.  
 McKinley, Wynema Jane (48), D. C.  
 McLeer, Alice Bush (20), Del.  
 McNamara, Rosemary (0), D. C.  
 McPheeters, Mary (0), D. C.  
 Michaelson, Winifred (50), D. C.  
 \*Miller, Alice V. (6), D. C.  
 Miller, Ella (30), D. C.  
 Miller, Nina (0), D. C.  
 †Montague, Elizabeth C. (0), Va.  
 Moody, Ada Cleora (76), D. C.  
 More, Louise M. (60), D. C.  
 Moore, Margaret D. (76), N. Y.  
 Moore, Myrtle B. (814), Tex.  
 Morgan, Edith Frances (24), Ill.  
 Morgan, Mary Edna (24), D. C.  
 Morris, Laura (31), D. C.  
 \*Moss, Emilie (64), D. C.  
 Mothershead, Marjorie (48), D. C.  
 Moyer, Ada (30), Ohio  
 Mueller, Anita Virginia (30), D. C.  
 \*Murphy, Helen L. (0), D. C.  
 Murray, Anna (107), D. C.  
 Murray, Margaret (9), D. C.  
 Naylor, Evelyn (78), D. C.  
 Nellie, Ward Nance (6), Va.  
 Neumann, Margaret Marie (0), D. C.  
 Newhouser, Enola Harriett (108), D. C.  
 Nichols, Mildred J. (48), D. C.  
 Nicol, Mary Bell (75), Md.  
 Norris, Eleanor D. (6), D. C.  
 \*Norton, Zinn Tallie Alsop, Mrs. (30), Tex.  
 †O'Connell, Margaret Jean (82), Wis.  
 O'Connor, Eunice Myra (28), D. C.  
 Otterback, Sarah G. (4), D. C.  
 Owen, Elizabeth G. (0), D. C.  
 Paine, Eva S. (6), D. C.  
 \*Parker, Mrs. Ruth B. (113), D. C.  
 \*Parks, Lena Gay (164), D. C.  
 Parvis, Bertha (73), Ind.  
 Pate, Virginia M. (48), D. C.  
 \*Payne, Jessie Olive (0), Va.  
 Payne, Willie May (15), Va.  
 \*Paynter, Grace Moore (66), D. C.  
 Pepper, Margaret (78), D. C.  
 \*Phillips, Maud Addie (0), Miss.  
 \*Poff, Eric Lavoich (0), Va.  
 \*Porter, Oreen C., Mrs. (6), D. C.  
 Powell, Katherine Moselle (0), Va.  
 \*Price, Mary Adele (48), D. C.  
 \*Priest, Hazel (119), D. C.  
 Prosl, Beatrice Frances (0), Mass.  
 Puliasi, Blanche Louise (0), D. C.  
 †Quirk, Anna Myrtle (0), Pa.  
 \*Ramey, Elizabeth Margaret (89), Va.  
 Ramsey, Olive Elizabeth (62), D. C.  
 \*Ratcliffe, Gladys Miller (0), D. C.  
 Reilly, Matthew F. (83), Pa.  
 Richards, Miriam Grey (133), Md.  
 Richardson, Katherine Elizabeth (49), D. C.  
 Richmond, Hilda Wright (18), Va.  
 \*Ritter, William Roscoe (0), Ind.  
 Roach, Carrie Mae (78), Okla.  
 \*Roberts, Fern V. (1), Iowa  
 Roberts, Minnie Clyde (60), Miss.  
 Roberts, Mildred Etta (24), D. C.  
 Rooney, Catherine Marie (48), D. C.  
 \*Ross, Helen Regina (6), D. C.  
 Rouse, Mary Rosella (66), D. C.  
 Rowe, Ellen M. (28), Fla.  
 \*Rosansky, Frances Frieda (0), D. C.  
 Ruby, Mary Helena (48), D. C.  
 \*Rucker, Edwina F. (0), D. C.  
 Sanderson, Lennie Roberts, Mrs. (0), D. C.  
 Sanford, Sarah Frances (48), D. C.  
 †Saunders, Arbutus R. (4), Conn.



- \*Scherschowsky, Mary Elizabeth (0), D. C.  
 Schmucker, Catherine Virginia (45), D. C.  
 Schmidt, Regina Marie (42), D. C.  
 Schubert, Florence H. (89), Md.  
 Schwartz, Margaret Anna (30), D. C.  
 Scrivener, Katherine Faber (6), D. C.  
 †Scott, Esther W. (104), Md.  
 †Scull, Muriel Joy (0), D. C.  
 Sherman, Mary Ida (21), D. C.  
 \*Sherwood, Lucy G. K. (0), D. C.  
 Shewmaker, Sibyl (0), D. C.  
 \*Shuey, Elva T. (93), D. C.  
 Silber, Tillie (0), D. C.  
 Simonson, Edward Armour (50), D. C.  
 Sessions, Maude (88), D. C.  
 Smith, Dolly (48), Va.  
 Smith, Dorothy M. (79), D. C.  
 \*Smith, Dorothy Quincey (0), D. C.  
 Smith, Eva D. (98), D. C.  
 Smith, Gertrude (48), Va.  
 Smith, Juanita May (0), D. C.  
 Smith, Margurite Even (63), D. C.  
 Smith, Miriam L. (0), Md.  
 Smith, Ruth Lillian (48), D. C.  
 Snowberger, Garnet (64), Ind.  
 Soelberg, Earl J. (97), D. C.  
 Songer, Rosella G. (0), D. C.  
 Souder, Laura (10), Md.  
 Speiden, Jeannette (48), Md.  
 †Standiford, Grace (0), Md.  
 Standiford, Margaret W. (22), D. C.  
 Stearns, Elsie Maryette (48), D. C.  
 Stearns, Lydia Marie (11), D. C.  
 Steele, Mildred E. (102), D. C.  
 Steele, Marguerite, D. C.  
 †Stewart, Catherine Mand (12), Va.  
 Stewart, Mrs. Jessie B. (48), D. C.  
 Sturis, Marie B. (0), N. Y.  
 Stohlman, Helen (8), D. C.  
 Streett, Margaret (55), D. C.  
 Sullivan, Bessie M., Mrs. (118), Ga.  
 Suter, Thurza E. (48), D. C.  
 Swain, Margaret M. (0), Mass.  
 Swigart, Ada King (109), Md.  
 Talinferro, Julia Crawford (76), Va.  
 \*Tallant, Mrs. Ruth (0), D. C.  
 Tauberschmidt, Phoebe Mary (0), D. C.  
 Taylor, Bertha Elinor (94), D. C.  
 \*Taylor, Florence Collins (0), Va.  
 Taylor, Mary E. (115), D. C.  
 Tennyson, James Anna (118), D. C.  
 Tennyson, M. Bernadette (33), D. C.  
 Thissell, Mildred Frances (0), D. C.  
 Thomas, Genevieve E. (74), D. C.  
 \*Thonsen, Ruby E. (122), D. C.  
 Thorn, Lulu B. (56), D. C.  
 Thornton, Emily Anna (139), D. C.  
 \*Thrasher, Mrs. Annie B. (128), D. C.  
 Thurston, Evangeline (83), Mo.  
 Towson, Helen (27), D. C.  
 Traband, Juliet A. (71), Md.  
 Traband, Sarah Elliott (60), Md.  
 Tracy, Ethel Wynne (0), D. C.  
 \*Traylor, Lila Lee (39), Tex.  
 Trenis, Mrs. Annie G. (122), D. C.  
 \*Troughton, Martha V. (125), Va.  
 Trusman, Mrs. Flora D. (4), D. C.  
 \*Trusheim, Eva M. (17), D. C.  
 Turner, Arra Graves (46), Ark.  
 Turner, Marie Agnes (33), D. C.  
 \*Vance, Ethel (66), D. C.  
 \*Van Ormer, Elizabeth (24), D. C.  
 Veihmeyer, Louise (4), D. C.  
 Venning, Gladys (39), Md.  
 Volker, Herman L. (115), D. C.  
 \*Von Eiff, Mildred T. (124), D. C.  
 Von Seyfried, Emma M. (14), N. J.  
 Walcott, Sara (43), D. C.  
 Waldron, Callie S. (11), D. C.  
 \*Walker, Grace A. (126), D. C.  
 Watkins, Wilma Louise (0), Md.  
 Walten, Helen Isabel (0), D. C.  
 Wanstall, Grace (15), D. C.  
 †Ware, Grace (0), D. C.  
 Weedon, C. Elizabeth (0), D. C.  
 Welch, Helen G. (42), Mass.  
 \*Wells, Mary Dare (0), Md.  
 \*Whildin, Mabel (42), Md.  
 Wild, Estele P. (64), D. C.  
 Wilkes, Gladys Hakey (0), Va.  
 Williams, Ada M. (4), D. C.  
 Williams, Harriet R. (34), Me.  
 Williams, Mary Allen (124), Tenn.  
 Williams, Winifred M. (67), Pa.  
 Wilson, Agnes W. (70), Ind.  
 Wilson, Josephine E. (12), Md.  
 †Winkjer, Thelma H. (12), D. C.  
 Wolfenbarger, Floy (103), Mo.  
 Woodward, Unis (0), D. C.  
 Wright, Elsie S. (31), Va.  
 Yancey, Marion (0), D. C.  
 \*Yates, Carolina Elizabeth (0), D. C.  
 †Yeilding, Gussie I. (0), Ala.  
 Young, Grace V. (66), D. C.  
 Zamansky, Rae Miriam (27), N. Y.

## SPECIAL STUDENTS

- Aitcheson, Mary C., Va.  
 Alexander, Georgia L., Mo.  
 \*Anderson, Lillian C., D. C.  
 Austin, Miriam J., D. C.  
 †Barta, Ruth S., D. C.  
 Bays, Mary Therese, Switzerland  
 Bealey, Elma, Va.  
 †Bixler, J. Louis, D. C.  
 \*Blumenkrantz, Elizabeth, D. C.  
 Botkin, Eugenia, D. C.  
 Brandt, C. M. T., D. C.  
 Bugbee, Harriet May, D. C.  
 Bulzer, Nellie Gertrude, Me.  
 \*Burghardt, Ruth Mildred, Mass.  
 †Burroughs, Helen J., N. Y.  
 †Burton, Elsie Vann, Va.  
 \*Campbell, Anna, N. J.  
 Challice, Clara Elizabeth, D. C.  
 Clark, Della L., D. C.  
 Clements, Pearl Selby, Md.  
 Clippinger, Agnes B., Wash.  
 Cook, Coleman, Francis, Ohio  
 Dagnall, Bertha I., Conn.  
 \*Evans, Robert Baykin, Md.  
 \*Frans, Winifred L., N. Y.  
 Gibbs, Kate M., Mass.  
 Glascock, F. E., D. C.  
 †Glenn, Frank W., Ind.  
 Griest, Walter S., D. C.  
 Grutsik, Frank E., Wis.

Hamilton, May S., Va.  
 \*Hartke, Mrs. Lilly P., D. C.  
 Hessian, Delia Elizabeth, D. C.  
 Hinkel, Anna A., D. C.  
 Holland, Sarah B., D. C.  
 \*James, Jennie F., Md.  
 Jordan, Isabel L., D. C.  
 Kiernan, Helen Cogan, D. C.  
 Lacase, Eulalie, Tex.  
 \*Lamborn, Anne, D. C.  
 Luhn, Harriet E., D. C.  
 McCoy, Maud Virginia, Md.  
 McGee, Florence M., N. Y.  
 McPheeters, Scottie, D. C.  
 \*Maloney, Louise, N. Y.  
 Mears, Henry H., D. C.  
 \*Meloy, Edith Willard, D. C.  
 \*Millard, Homer Behne, Nev.  
 Miller, Netta G., D. C.  
 \*Mills, Mary Laumond, D. C.  
 \*Monroe, Mildred J., Va.  
 \*Murphy, Alice Elizabeth, D. C.

\*Penman, Christine, D. C.  
 †Payne, Anna Liston, D. C.  
 Payne, Nellie A., Va.  
 Pimper, Cora H., D. C.  
 Ring, Mathilde, D. C.  
 \*Ross, George Albert, D. C.  
 Salter, Katherine C., Fla.  
 Smith, Catherine Corbin, D. C.  
 Snow, Edith, Md.  
 Spence, Vera M., D. C.  
 Springman, Helen, Va.  
 \*Staples, Clarence Leonard, Va.  
 \*Tate, Mary Brooke, N. Y.  
 Thomas, Sue E., D. C.  
 †Verrine, Rose, D. C.  
 \*Von Huhn, Rudolf, Va.  
 \*Wagoner, Ada, W. Va.  
 \*Waterman, Siemon DeVries, Holland  
 \*Walter, Chorellis Dixon, D. C.  
 Warner, Marion Ruth, N. Y.  
 Woodin, Virginia, D. C.  
 Zimmermann, John S., Sr., D. C.

### STUDENTS IN SUMMER SCHOOL, 1924

Abbey, Glenn Allan, Wis.  
 \*Abellera, Alberto Y., D. C.  
 Acantilada, Melecia, P. I.  
 Adkins, Edna M., D. C.  
 Ahern, Harry Paul, D. C.  
 A.B., George Washington University,  
 1924  
 Ai, Wei Joseph, China  
 B.S., St. Johns, 1919  
 A.M., Columbia, 1922.  
 Albus, Frank Joseph, Pa.  
 \*Albus, Paul C., Pa.  
 Alderson, Wroe Francis, Wash.  
 Alexander, Susan, Ill.  
 Allred, Jessina, Canada  
 Ameigh, Howard Carlton, N. Y.  
 Anda, Magnus, Calif.  
 Anderson, Elin A., N. Y.  
 Anderson, Gunhilde C., Pa.  
 Anthony, Cora, Ga.  
 \*Appler, Helen Irene, D. C.  
 April, Ella, N. J.  
 Aronowsky, Celia, Mont.  
 Arrington, Hazel Nash, D. C.  
 Atchison, Marguriste, D. C.  
 Athey, Leslie E., D. C.  
 \*Atkinson, Wade H., Jr., D. C.  
 Babcock, William S., D. C.  
 Bacheller, Alice, Mass.  
 Bailey, Malcolm F., D. C.  
 Bailey, Wilbur Davis, D. C.  
 Baker, Alida A., Mass.  
 Baker, Harley E., W. Va.  
 Bales, Mrs. Louise P., Ky.  
 Bales, William L., D. C.  
 A.B., George Washington University,  
 1924  
 \*Ballah, Cleve, W. Va.  
 Banfield, Paul L., D. C.  
 Banta, Frances Margaret, D. C.  
 Barbella, Nicholas, D. C.  
 \*Barger, Esta A., Ohio  
 Barr, Mary Frances, D. C.  
 Barroll, Eleanor K., Md.  
 Barry, Thomas A., Okla.  
 Barton, Elaine, D. C.  
 Bates, Henry G., D. C.  
 Baukhages, Minna, D. C.  
 Bayle, Samuel B., Md.  
 Bayne, West Tennie, Ala.  
 Bays, Mary Therese, Switzerland  
 Beach, Beattie B., Okla.  
 Beall, Harry S., Md.  
 Beattie, Wilford Douglas, Utah  
 Becker, Rose E., Ind.  
 Beede, Kenneth C., N. H.  
 Bell, Mrs. Frances C., D. C.  
 A.B., 1906, Meridian College  
 Bemis, Edward F., Mass.  
 Benfer, James Paul, Jr., D. C.  
 Bennett, Jean, Ky.  
 \*Bentley, Byrnes F., D. C.  
 Berg, Jake, D. C.  
 Berg, Pearl Isabel, Ill.  
 Bergin, Edward P., D. C.  
 Berkebile, Dwight M., Pa.  
 Bigos, Elizabeth, D. C.  
 Bing, Arden E., W. Va.  
 Bisset, Harry, Md.  
 Black, Margaret, Tex.  
 Bledsoe, Dora B., Ky.  
 Blythe, John Henry, Ky.  
 \*Boardman, Florence, Mass.  
 Boardman, Leona, Ohio  
 Bookhaus, Gordon Wm., Va.  
 Bogorad, Nina, D. C.  
 Bond, Eason Jackson, Ga.  
 Bond, Gladys Ann, Ill.  
 Bonifant, James G., Va.  
 Booher, Ivan C., Ill.  
 Booth, Eleanor D., D. C.  
 A.B., Sophie Newcomb, 1915  
 Booth, Nina M., N. Y.  
 Boreherding, Walter Henry, D. C.  
 Borden, Hazel A., Mass.  
 Boswell, Margaret B. M., D. C.  
 Bowen, Mary Emma, D. C.  
 Bowker, Marian, D. C.  
 Bow, Virginia, Fla.  
 Box, John Calvin, Tex.  
 Boyer, Ruth N., D. C.  
 Boynton, Marcia, Ohio  
 A.B., 1924, George Washington Uni-  
 versity



- Bracken, Dwight C., Ala.  
A.B., 1923, George Washington University
- Braddy, Susan A., N. C.
- Bradford, Elizabeth H., D. C.
- Bradford, Percy, D. C.
- Brainerd, H., D. C.  
A.B., Smith College
- Brand, Carl M., D. C.
- Brewster, Cosby, W. Va.
- Bridges, Idria, Ill.
- Brill, Isadore, D. C.
- Britt, Susan B., S. C.  
A.B., Winthrop College
- Bromell, John R., Pa.
- Brook, Addie J., Kans.
- Brookley, Lora Anne, Calif.  
A.B., 1923, George Washington University
- Brooks, Janeiro V., D. C.
- Brotman, Wilford, D. C.
- Brown, Charles E., Mass.
- Brown, Erma, Mo.  
A.B., 1922, George Washington University
- Brown, Frances I., D. C.
- Brown, Herbert Charles, Md.  
A.B., 1917, Greenville College
- Brown, Herbert H., D. C.
- Brown, Lynn H., Kans.
- Brown, Margaret L., N. C.
- Brown, Omar Jesse, N. C.
- Brown, Robt. H., Ala.
- Brown, Robert T., D. C.
- Brown, Vernon Lee, D. C.
- Brown, Virginia N., D. C.
- Brumbaugh, Elliot F., Pa.
- Bruner, Pauline M., Ind.
- Brust, Huldah, D. C.
- Bryan, William D., D. C.
- \*Buchalter, Miriam, D. C.
- Buck, Sherman, W. Va.
- Buckingham, Charles T., Pa.
- Buckingham, Frances E., D. C.
- Bunch, Mary W., D. C.
- Bundick, Harriet E., D. C.
- Burgess, Sabra C., Ind.
- Burke, Allan, N. Y.
- Burkett, Vivian A., Va.
- Burritt, Loren, D. C.  
S.B., 1917, Md. State College
- Burt, Edwin C., D. C.
- Burt, Gertrude E., N. Y.
- Burton, Mrs. E. D., D. C.
- Busbey, Margaret C., Ill.
- Busb, Floyd W., Tenn.
- Bussard, Marcel Julian, D. C.
- Butta, Ruth E., Va.
- Byro, Clara M., D. C.
- \*Cafrita, Elizabeth L., D. C.
- Campbell, Henry C., D. C.
- Campbell, Jean T., D. C.
- Campbell, Katharine L., D. C.
- Campbell, Merrill R., Kans.
- Canton, Ellen L., N. Y.
- Cantrell, Lawson James, Tex.
- Carlson, Reuben T., N. Y.
- Carr, Elma B., Ky.  
A.B., 1920, George Washington University
- A.M., June, 1921
- Carr, Margaret J. S., Md.
- Casey, Marlin Scott, D. C.
- Castle, Thelma M., D. C.
- Castleman, Virginia C., Va.  
Graduate of Drexel Inst., 1899
- Cavanaugh, Patrick J., D. C.
- \*Chapman, Gerturde, Mo.
- Chapman, Roberta, Va.
- Chenault, Roy L., Ky.
- Cheyney, Jesse S., Va.
- Clark, Helen Angela, D. C.
- Clark, Stanley Aubrey, Okla.
- Clarkson, Gladys M., D. C.
- Clegg, Irene, Miss.
- Clements, Francis W., D. C.
- Clements, Julia Lee, D. C.
- Cline, Robert C., Va.  
A.B., 1923, George Washington University
- Coakley, Walter, Ohio
- Coates, Lyla Mildred, D. C.
- Cobb, Roy L., Ohio
- Coe, Allen C., Md.
- Coe, Bryan, D. C.
- Coffman, Dorothy S., Miss.
- Cole, John W., Tex.
- Cole, Mary J., Pa.
- Cole, Margaret, D. C.
- Collins, P. J., D. C.
- Collins, William M., Pa.
- Conerly, Thelma M., Miss.
- Conlon, Urban E., D. C.
- Connick, Mildred R., D. C.
- Connolly, Marie L., Pa.
- Conway, Fred Julius, Utah  
LL.B., 1924, Georgetown
- Cook, Anita M., D. C.  
A.B., 1916, Smith
- \*Cook, Arthur D., Mass.
- Cook, Fannye Addine, Miss.  
A.B., Miss. State College for Women
- Cook, Gertrude E., Ohio  
A.B., 1924, Hood College
- Cook, Marie A., D. C.
- Coolidge, Helen M., D. C.
- Coope, Jessie, D. C.
- Cooper, June, D. C.
- Copping, John B., D. C.
- Corbin, Bartley, Ala.
- Corbin, Maude L., Iowa
- Cotta-ly, Ellen L., Ind.
- Cotton, John Arthur, Ohio
- \*Coughlin, Henry W., Mass.
- Councilor, Theron G., D. C.
- Cousins, Christopher, D. C.
- Couture, Mildred L., N. H.
- Cox, Irvin C., D. C.
- Cox, Nannie E., Ill.
- Coyle, Blanche E., D. C.  
A.B. and T.D., George Washington University, 1924
- Coyle, Marie, Pa.
- Crabtree, LuVerne, D. C.
- Cramer, Alma H., D. C.
- Craven, Robert, D. C.
- Crawford, Jane Elizabeth, D. C.
- Creeden, Sara A., Va.
- Crofton, George Henry, Mass.
- Cromer, Jerry Keith, Va.
- Cromer, Kenneth, Va.
- Crook, Anna Margaret, D. C.
- Crook Ella Margaret, D. C.
- Crossman, Mary Louise, Va.
- Crouse, Anna Mary, Pa.
- Crouter, Earl, Wyo.
- \*Crowell, Ray, D. C.
- Crouch, James Miller, D. C.

- Cuatt, Fannie Lottie, N. Y.  
 Cullen, Thomas A., N. J.  
 Culloom, Edward, D. C.  
 Cunradi, Beatrice, D. C.  
 Curry, Mary Alice, Md.  
     A.B., 1904, Miss. State College for Women  
 Cushing, Ernest R., D. C.  
 Dade, Thelma A., D. C.  
 Dalgleish, Mary Evelyn, D. C.  
 Dallas, Mary, D. C.  
 Daly, Marguerite, D. C.  
 Darby, Margaret I., D. C.  
 Darroch, Dorothy A., Ind.  
 Davenport, Mortimer, D. C.  
 Davis, Charles L., Ind.  
 Davis, Evelyn, D. C.  
 Davis, Miriam, Calif.  
 Davis, Walter S., D. C.  
 Davison, Clarence C., N. J.  
 Deaton, Linda, Ohio  
 DeCell, Amele, Miss.  
 \*Decker, John W., Va.  
 Deibler, David H., D. C.  
 deLeon, Cantisgo, P. I.  
 Dembits, Sara W., D. C.  
     B.S., George Washington University, 1902  
 Dempsey, James B., Kans.  
 Denham, Herbert, Fla.  
 Denison, Harriet A., D. C.  
 Denning, Ruth O., N. Dak.  
     A.B., 1911, Ripson College  
 Dennis, Milton L., Md.  
 \*Darden, Bert E., Tex.  
 DeVol, Helen Mullen, D. C.  
 DeVore, Etta L., D. C.  
     A.B., Stanford, 1915  
 Dewey, George, D. C.  
 Dick, Dorothy K., Colo.  
 Dick, Frederick F., N. Y.  
 Dickey, Alice E., D. C.  
 Dickinson, Levi Call, Iowa  
 Disney, Dorothy Cameron, Okla.  
 diZereger, Frederic C., Va.  
 Dodd, Atta E., D. C.  
 \*Dodd, Esther E., N. Y.  
 Dodek, Fannie, D. C.  
 Dodek, Samuel M., D. C.  
 Doerr, Loretta R., La.  
 Dolph, Leah, D. C.  
 Donahue, George J., D. C.  
 Donahue, Mary H., D. C.  
 Donovan, Elizabeth F., Ind.  
 Doran, Sarah L., N. Y.  
 Dougherty, Dorothy, N. Y.  
 Douglas, Edwin M., D. C.  
     A.B., Wofford College, 1921  
 \*Drew, Alice E., Fla.  
 Driscoll, Stephen J., Mass.  
 \*Drizin, Henry, Pa.  
 Dronzy, Robert F., D. C.  
 DuBose, Camille, D. C.  
 Duffy, John A., N. Y.  
 Duggan, Roy T., Ill.  
 Duke, Beatrice P., D. C.  
 Dulin, Cecilia P., D. C.  
 Duncan, Mabel H., D. C.  
 Dunne, Eleanor C., D. C.  
 Dunn, Ralph, Iowa  
 Dutton, Lillian B., D. C.  
 Dyke, William A. D., N. Y.  
 Eddington, Walter John, Va.  
 \*Edwards, Walter G., N. C.  
 Egan, John J., Mass.  
 Eggleston, George Wm., Ind.  
 Eliason, R. O., D. C.  
 Ericson, E. E., D. C.  
     B.A., University of Montana, 1923  
 Ervin, Clyde, Tex.  
 Erwin, I. M., D. C.  
 Erwin, Katherine A., N. C.  
     A.B., North Carolina College for Women, 1915  
 Eschor, Julia M., Ariz.  
 Eskin, Herman, D. C.  
 \*Evans, Jessie Ruth  
     A.B., Washington Missionary College, 1917  
 \*Evans, Naomi C., D. C.  
 Erwin, James L., D. C.  
 \*Ewing, Edgar G., Mich.  
 Esersky, Aaron, D. C.  
 \*Fairchild, F. F., D. C.  
 \*Fanning, James Henry, Jr., S. C.  
 Faries, John S., Nebr.  
 Feehan, Nancy, Mass.  
 Feldman, Solomon Herman, D. C.  
 Farrell, Fred C., D. C.  
 Feller, Ralph W., D. C.  
 \*Fellows, Harry A., Va.  
 Field, Edith Caroline, Nebr.  
 Filley, Ferris B., D. C.  
 Fine, Louis Bernard, Va.  
 \*Floravanti, Clelia, D. C.  
 Fisher, Margaret, Iowa  
 Fisher, Roland M., Ind.  
 Fisk, Clarence W., Md.  
 Flagg, Mrs. Grace L., D. C.  
 Fleming, Mrs. Ella D., D. C.  
 \*Flood, Lester C., Conn.  
 Flynn, Robert L., N. Y.  
 Froshof, Hyman B., D. C.  
 \*Fogarty, Lyman G., Mass.  
 \*Fokides, Kleon D., Turkey  
 Foley, Albert J., D. C.  
 Foley, Daniel E., Okla.  
 Folse, Lenard R., La.  
     A.B., 1924, George Washington University  
 Foot, Paul, Minn.  
 Ford, Arthur H., D. C.  
 Ford, Mason F., Ill.  
 Fox, James Fulton, D. C.  
 Frederick, Harold N., Minn.  
 Friddell, Eva, D. C.  
 Frita, Florence R., D. C.  
 Frydell, Thomas A., D. C.  
 Fulks, Eva Catherine, D. C.  
 Fullenwider, Helen E., Ind.  
 Furbershaw, James F., D. C.  
 Furbershaw, Joseph A., D. C.  
 Galanti, Marinus C., D. C.  
 Gardella, Anthony L., D. C.  
 Gardner, Helen M., Pa.  
     A.B., 1922, George Washington University  
 \*Garland, Randolph M., D. C.  
 Garrels, Agnes F., D. C.  
 Garrels, Harriet E., D. C.  
 \*Gartrell, Etta V., Md.  
 Gary, Edward T., D. C.  
 Gates, Alexander P., W. Va.  
 Gates, Isabel L. (Mrs.), D. C.  
 Gaynor, Maude E., D. C.  
 Gensford, Margaret, D. C.  
 Gibbs, Anna Maude, D. C.  
 Gibson, Mary Snyder, D. C.



- Gilbert, Joseph B., D. C.  
 Gilstrap, Harry B., Jr., D. C.  
 Gingrich, Elisabeth B., Pa.  
 \*Glasgow, Harriet C., D. C.  
 Glass, Jewell J., Miss.  
 Glass, John D., Kans.  
 Goding, Anna M., D. C.  
 Gold, Deborah Ida, Mass.  
 Goodman, Edgar L., D. C.  
 Goodnow, Minnie, D. C.  
 Gorey, Marguerite L., Ill.  
 Gosnell, Ruby L., S. C.  
 Goss, Marshall J., Ohio  
 Gould, Murray W., D. C.  
 Govenor, Alice M., N. Y.  
 Graff, George U., D. C.  
 Graff, Marie C., D. C.  
 Graffius, Donald W., Pa.  
 Graham, Jeaney K., Mo.  
 Grahame, Elisabeth B., D. C.  
 Gravatt, Florence, D. C.  
 Gravatte, Joanne, D. C.  
 Green, Marden P., D. C.  
 Greenman, Ralph Alan, D. C.  
 Gregg, Helen E., D. C.  
 Gregory, Florence I. D. C.  
 Gross, Irvin S., Pa.  
 Grindell, May Eleanor, Mass.  
 Grove, Charles Bryant, D. C.  
 Guanella, Frances M., Iowa  
 B.A., George Washington University, 1923  
 Gunning, Francis Joseph, Mass.  
 Guyton, Agnes Harriet, Colo.  
 Haas, Nelson K., N. Y.  
 Hagan, Joseph, R. I.  
 Hagman, Mark, Pa.  
 Haines, Alice, Minn.  
 Haire, Ruth Marie, Tenn.  
 Hall, Helen Frances, D. C.  
 Hall, Wallace LeRoy, D. C.  
 Hamilton, Anna Mary, Pa.  
 Hamilton, Serg. Miles H., D. C.  
 Hammerala, Clyde M., Pa.  
 Hance, Emma Osborne, Va.  
 Handcock, Esther Virginia, Va.  
 Hanford, Wesley Grafton, D. C.  
 Hann, Raymond M., D. C.  
 Hannan, Loretta, D. C.  
 Hanford, Robert W., Conn.  
 Harkey, Lillis W., Kans.  
 Harmon, Robert H., Miss.  
 A.B., Millsaps College  
 Harp, Mrs. Lillian, D. C.  
 Harper, H. B., Ill.  
 Harper, Lloyd H., Md.  
 Harrington, George E., D. C.  
 Harris, Elizabeth, Ky.  
 Harris, Forest K., Okla.  
 A.B. and M.S. in Physics, University of Oklahoma, 1923  
 Harris, Pauline E., W. Va.  
 Harris, Martha E., D. C.  
 Harris, Thomas F., N. C.  
 Hart, Agnes, Wis.  
 Hart, Sara Teresa, D. C.  
 Harter, Iola Jane, D. C.  
 Hartman, Douglas W., Wis.  
 Hasskarl, Augustus I., Nebr.  
 Hastings, Elisabeth, D. C.  
 Hastings, Helen, D. C.  
 Hauke, Rilla May, D. C.  
 Hazell, Audrey V., D. C.  
 Hasleton, W. B., Minn.  
 A.B., 1921, Macalester College  
 Headley, Mary, D. C.  
 Heartsell, Mrs. Fannie S., D. C.  
 Heath, Mr. Alma F., Idaho  
 Heath, Beatrice, Md.  
 Heaton, Doris, D. C.  
 \*Hebberd, Nell, D. C.  
 A.B., University of Wisconsin  
 Heckert, George T., W. Va.  
 Hedrick, Eleanor T., D. C.  
 Hegner, Ethel E., D. C.  
 Henderson, Eleanor, D. C.  
 Henderson, Elizabeth, D. C.  
 \*Henderson, Homer I., Kans.  
 \*Heneghan, William Joseph, Mass.  
 Hepburn, David N., D. C.  
 Hensel, Minnie Viola, Ohio  
 Henson, Rex Thomas, D. C.  
 Herbert, Estelle E., Md.  
 Hess, Laurie F., D. C.  
 Hessler, Agnes Bertha, D. C.  
 Heyl, Alice, D. C.  
 Heyl, Mrs. Lucy Knight, D. C.  
 \*Hibbs, Miss Germa, Ill.  
 Hickerson, Rachel, Md.  
 Hickman, Clara, D. C.  
 Himes, Lois F., D. C.  
 Himmelfarb, Albert N., D. C.  
 Hinckley, Marie H., N. H.  
 Hoaglund, Cyrus V., Minn.  
 Hobson, John R., Md.  
 Hogan, Marion H., Mich.  
 Hohman, Margaret, D. C.  
 Holden, James, D. C.  
 Hollett, Joseph Lawrence, Del.  
 Hollingsworth, Edna, Md.  
 Holliater, Mabel, Ind.  
 Hooker, John R., Ohio  
 Hornberger, William F., La.  
 B.S. in Sugar Engineering, Louisiana State Univ., 1914  
 Hopping, Louis M., Ill.  
 Hottel, Guy Llewellyn, Va.  
 Hough, Catherine Anne, D. C.  
 Houghton, Joseph D., Mass.  
 House, Harry R., Pa.  
 House, Matthew James, D. C.  
 Howard, Forrest K., Va.  
 Hu, Kyi-Yuan, China  
 Huber, Elbert L., Nebr.  
 Hudson, Blanche, D. C.  
 Hughes, Louise R., D. C.  
 Hummer, Marvin F., D. C.  
 Humphreys, Margaret M., Miss.  
 Hunt, Thelma, D. C.  
 A.B., George Washington University, 1924  
 \*Hunt, William P., N. Y.  
 \*Huntsberger, Mae L., D. C.  
 Huson, Jennie C., Ohio.  
 Hums, Willard L., Mich.  
 Hutchinson, Raymond B., D. C.  
 Hutchinson, Granville R., Va.  
 Hutson, Ruth B., D. C.  
 Hyatt, Fern, Tex.  
 Hyatt, Lena Rose, D. C.  
 Isaac, Hedwig A., Kans.  
 Isceley, Bertha, N. C.  
 Iselman, Gladys M., Ohio  
 Jackson, George M., Tenn.  
 Jacob, Isabelle G., Pa.  
 Jaeger, Walter H. E., N. J.

- James, Leland F., Jr., D. C.  
 James, Virginia H., Md.  
 James, William G., D. C.  
 Janson, Mrs. Annie L., Va.  
 Janson, Elsie S., D. C.  
 \*Jaquette, Elisabeth K., D. C.  
 Jaquette, Marie L., D. C.  
 Jex, Garnet W., D. C.  
 \*Johnson, Cyrus, Md.  
 Johnson, Emily W., Va.  
 Johnson, Ethel M., Ohio  
 Johnson, Jasper L., D. C.  
 Johnson, Otto T., Vt.  
   B.S., University of Vermont, 1914  
   M.S., George Washington University, 1923  
   M.A., George Washington University, 1922  
 Johnson, Regina C., Ohio  
   B.S., George Washington University, 1921  
   M.D., George Washington University, 1921  
 Johnson, Robert M., D. C.  
 Johnston, Alma May, D. C.  
 Johnston, Clement M., D. C.  
 Johnston, Everett Dale, Ohio  
 Johnston, Leighton W., N. Y.  
 Jones, Florence M., Nebr.  
 Jones, Stephen, Ala.  
 Jones, Thomas O., D. C.  
 Justice, Donald, Ohio  
 Kaeng, Benedict J., N. Y.  
 Karpeles, Lotta May, D. C.  
 Kats, Max, D. C.  
 Kauble, Ruth D., Ohio  
 Kause, Selma, Ohio  
 Keefer, Bessie M., D. C.  
 Keegan, Harry J., D. C.  
 Keegan, Russell, D. C.  
 Keep, Kathryn Lee, Pa.  
 \*Keesecker, Ward Wilbur, W. Va.  
 Keliher, Alice V., Md.  
 Keliher, Ann Rita, D. C.  
 Kelley, Garth H., Pa.  
 \*Kelley, Ogden Alford, D. C.  
 Kemp, Helen, Md.  
 Kennedy, Harold Schwinn, D. C.  
 Kennedy, Mabel L., D. C.  
 Kenyon, Ella E., Va.  
 Keogh, Michael F., Pa.  
 Kephart, Mrs. Olga A., D. C.  
 Kerlin, William James, Iowa  
 Kernan, Ruth Taylor, D. C.  
 Kiernan, Helen Cogan, D. C.  
 King, Elsie E., W. Va.  
 Kingsbury, Stuart S., Mich.  
 Kinney, Don Ray, Ohio  
 Kinney, Olive C., D. C.  
 Kirby, Virginia, D. C.  
 Kirkland, James R., D. C.  
 Kirksey, Eliza B., D. C.  
 Klapp, Frank Orrin, Ohio  
 Klavans, Ethel, D. C.  
 Klavans, Sylvia, D. C.  
 Klein, Ernest H., D. C.  
 Klein, Ethel L., Md.  
 Klein, Margaret Anna, Pa.  
 Klinge, Henry John, D. C.  
 Knappen, Phoebe M., D. C.  
 Knight, Norman L., Mo.  
 Knight, Robert E., Jr., Va.  
 Koonce, Anna R., D. C.  
 Kostmayer, Edna W., La.  
 Kostmayer, Kate G., D. C.  
 Kramer, Lester Wm., D. C.  
 Kremer, Alvin W., Va.  
 Krider, Harrison S., Pa.  
 Krouse, Clara Margaret, D. C.  
 Ku, Hynn J., China  
 Kudell, Earl H., Ohio  
 Kundahl, Rose Evelyn, D. C.  
 Kupjian, Haig, D. C.  
 Kurts, Herbert G., Pa.  
 Kuts, Miriam L., Ind.  
 Kwai, Addison Y., D. C.  
 Lacaze, Eulalie, Tex.  
 Lacy, Katherine F., D. C.  
 Lake, Matalce T., D. C.  
 Laleger, Grace Elizabeth, D. C.  
 Lamson, Elizabeth H., D. C.  
 Lancaster, Millie A., W. Va.  
 Lancaster, Willis Edwin, D. C.  
 \*Landis, Florence F., D. C.  
 Lanham, Benjamin E., D. C.  
 Lapham, Flora M., Ga.  
 \*LaRue, Wilton W., D. C.  
 Lauck, Leona A., Va.  
 Lautenschlager, May, D. C.  
 Lavine, Oscar, D. C.  
 Leatherwood, Rueben F., Md.  
 Lee, Robert E., Jr., D. C.  
 Leech, Clara Eleanor, D. C.  
 L'Heureux, Herve J., N. H.  
 LeHew, Helen Frances, D. C.  
 Leigh, Rufus Wood, D. C.  
   A.B., University of Utah  
 LeJeune, Norman Frederick, D. C.  
   B.S. in Ch. E., 1920, Carnegie Tech.  
 Lepman, Harry, D. C.  
 Lerch, Sara R., Pa.  
 Levaur, Henry Aaron, N. Y.  
 \*Levin, Michael, D. C.  
 Levina, Harry, N. Y.  
 Levy, Mrs. J., D. C.  
 Levy, Louis, D. C.  
 Lewis, Elizabeth S., D. C.  
 Lewis, Madge, Md.  
 Lewter, John C., Va.  
 Lichter, David E., Pa.  
 Lichter, Levi G., Pa.  
 Lile, Carolyn, D. C.  
 Lincoln, Leonard B., Md.  
 Lind, Alma Grade, Iowa  
 Lind, Ida May, D. C.  
 Lindberg, Andrew R., D. C.  
 Linehan, Ella C., Mass.  
 Lingamfetter, Flora M., Va.  
 \*Linn, Marian M., Ore.  
 Lippitt, Minnie H., W. Va.  
 Lista, Louis Joseph, W. Va.  
   A.B., 1924, George Washington University  
 Litteral, Emmett B., Mo.  
 Little, Donald, Kans.  
 Little, Ruth E., D. C.  
 Littlejohn, Carrie, Ky.  
 Littlepage, Ellen M., D. C.  
 Litvin, Philip, D. C.  
 Lloyd, Annabelle D., Md.  
 \*Loeb, Hyman, D. C.  
 \*Loeb, Leo, D. C.  
 Lohmann, Blanche, D. C.  
 Lohmann, Elan, D. C.  
 Long, Pauline Yates, D. C.  
 \*Loring, Mrs. Charles, D. C.  
 Loring, Helen, Minn.  
 Lovejoy, James B., D. C.



- Lovell, Ellen, Tenn.  
 Lowe, Louella D., N. C.  
 Luber, Samuel E., D. C.  
 Ludwig, Robert E., Md.  
 Lundgren, Maynard B., Ill.  
 Lustuskie, William F. A., Pa.  
 Lutz, Ollie, D. C.  
 Lyman, Albert, Idaho  
 Lynch, Lucy Greene, D. C.  
 \*Lynch, Mark N., D. C.  
 Lynch, Mary G., D. C.  
 Lynch, Sara P., D. C.  
 Lynn, Wallace P., D. C.  
 McAllister, Gladys, N. Y.  
 McCarthy, John Wm., N. Y.  
 \*McCain, Johnnie, Miss.  
 McCarthy, Deborah A., Va.  
 McCarty, James B., D. C.  
 McClain, John Edward, D. C.  
 McClelland, Thaddeus S., Ohio  
 McDarmont, Corley P., Ky.  
     A.B., George Washington University, 1924  
 McClure, John Elmer, W. Va.  
 McClurg, Alice, Ind.  
 McCullough, Joseph E., D. C.  
 McFayden, Mary, N. C.  
 McGhee, Dallas I., D. C.  
 \*McGrath, Joseph S., D. C.  
 McGrew, Irvin, Jr., Tenn.  
 McIlwain, Joseph Emerson, Pa.  
 McKee, Mrs. A., D. C.  
 McKenna, Bertha A., N. H.  
 McKenna, Laura Emma, N. H.  
 McKenna, William T., Pa.  
 McKinnon, Susie, W. Va.  
 McLain, George Henry, D. C.  
 McLain, Gertrude L., D. C.  
 McLane, Ralph U., Md.  
 McLearn, Alice Bush  
 McLeroy, Bryant Z., La.  
 McManus, Paul A., D. C.  
 McRae, Colin E., Jr., D. C.  
 MacDonnell, Louise, Mass.  
 Macaskowski, Herman E., D. C.  
     A.B., Gallaudet, 1922  
 Magner, Rose Z., N. Y.  
     A.B., George Washington University, 1923  
 Magruder, Margaret V., Va.  
 \*Mahan, Thomas F., D. C.  
 Mahan, William H., D. C.  
 \*Mahlman, Frederick H., Nebr.  
 Maitland, Florence, D. C.  
     A.B., George Washington University, 1924.  
 Maley, Frank, Md.  
 Mallory, Walter L., Va.  
 Malone, James F., Ill.  
 Malone, Marion Raymond, D. C.  
 Mangum, Susie Alice, D. C.  
 Manion, Esther Ann, D. C.  
 Mann, James Barto, D. C.  
 Manning, Dorothy Carmen, D. C.  
 Marcus, Edward John, Mass.  
 Marks, Gladys Elisabeth, D. C.  
 Marmon, Louis Preble, D. C.  
 Maroney, Winifred R., Pa.  
 Marsden, Margaret Agnes, W. Va.  
 Marsh, Phylla Nellie, D. C.  
 Marshall, Florence H., D. C.  
 Marshino, Ora, Ky.  
 Martin, Edwin M., D. C.  
 Martin, Howard H., Ill.  
 Mason, Ruth C., D. C.  
 Matson, Frederic C., D. C.  
 Matthew, Viola Verne, W. Va.  
 Mattison, Dorothy, Vt.  
 Mattox, Virginia A., Va.  
 May, Bessie, Ga.  
 May, Orville E., Iowa  
 Mayo, Bernard Joseph, Me.  
 Mayor, Gilbert David, D. C.  
 Meloy, Imabella R., D. C.  
 Meloy, William C., D. C.  
 Memster, Catherine N., D. C.  
 Mendelson, Israel J., D. C.  
 Mendelson, Joseph Lewis, D. C.  
 Mendes, Anjel M., Porto Rico  
 Merriam, Helen Wirt, D. C.  
 Mersch, Victor S., Ind.  
 Metcalf, Harley E., D. C.  
 Metheny, Percy Walter, W. Va.  
 \*Meyer, George A., Md.  
 \*Meyerle, J. J., N. Dak.  
 Michaelson, Winifred M., D. C.  
 Middleton, William, Va.  
 Millard, Homer B., Nev.  
 Miller, Mrs. Agnes T., D. C.  
     A.B. and T.D., George Washington University, 1924  
 Miller, Beveridge, D. C.  
 \*Miller, Carrie May, Mo.  
     A.B., George Washington University, 1923  
 Miller, Carroll Edward, Pa.  
 Miller, Kenneth R., Pa.  
 \*Mills, Cool William, Mont.  
 Minck, D. Leah, D. C.  
 \*Mitchell, Clarence A., D. C.  
 Mueller, Otto, Va.  
 Moffat, Henry, D. C.  
 Moffett, Mary A., N. Y.  
 Mendell, William H., D. C.  
 Monro, R. A., Md.  
 Montgomery, Thomas, Md.  
 Moore, Clarence Win., D. C.  
 Moore, Julia Anne, Tex.  
 Moore, Katherine L., Kans.  
 Moore, Louise M., D. C.  
 Moore, Margaret D., N. Y.  
 Moore, Morrow Harris, D. C.  
 Moore, Ruth R., Kans.  
 Morfesi, Mrs. L. Elisabeth, D. C.  
 Moran, George Joseph, Conn.  
 Morgan, Eva, Ill.  
 \*Morgan, Frank Parker, Mass.  
 Morris, Laura, D. C.  
 Morris, Mary Elisabeth, Ohio  
 \*Morrissey, Gertrude, Conn.  
 Mounts, John J., Ill.  
 \*Mourer, Peter William, N. Dak.  
 Moyer, Ada L., Ohio  
 Mudd, Robert Lee, D. C.  
 \*Mullaney, James T., N. Y.  
 Murphy, Abigail T., Vt.  
 Murphy, Daniel Joseph, Jr., D. C.  
 Murphy, James R., Kans.  
 Murphy, Joan Catherine, Vt.  
 Murray, I. Mildred, Pa.  
 Murphy, May, Minn.  
 Murray, Thelma Marie, Ala.  
 Myers, Walter C., D. C.  
 Nagle, Frank J., N. J.  
 Neitsey, Joseph, D. C.  
 Nelson, Ora E., Minn.

- Nesbitt, Hugh Barr, Minn.  
 Nevins, Ruby,  
   A.B., George Washington University, 1917  
   M.A., George Washington University, 1922  
 Newbold, Alice Elisabeth, D. C.  
 Newman, Hobart E., D. C.  
 Niblock, Pearl, N. C.  
 \*Nickson, Theodore Bridges, Mont.  
 Nicol, Mary Bell, Md.  
 Nicol, Mary Louise, Va.  
 Niemeyer, Ernestine H., D. C.  
 \*Noack, Fannie R., D. C.  
 \*Noland, William George, W. Va.  
 Norris, Eleanor Dorothy, D. C.  
 Norton, Frances, D. C.  
 \*Norton, Raymond John, Mass.  
 Nutter, Virbrook, D. C.  
   A.B., Washington Miss. College, 1920  
   M.A., George Washington University, 1922  
 Ober, Mary King, D. C.  
 O'Connor, George E., D. C.  
 Oddenino, Mary A., D. C.  
 O'Donnell, Paul Joseph, D. C.  
 O'Keefe, Thomas D., Mass.  
 Olsen, Tillie Marie, Pa.  
 Omwake, Katherine T., D. C.  
 Orem, John Manly, D. C.  
 Orput, Mary, Mo.  
 Orr, Edwin R., Jr., Ga.  
 Orrison, Agnes Catherine, Va.  
 Orton, Clarence F., Nebr.  
 \*Osterhout, Karl Jackson, Pa.  
 \*Ottman, Millard F., D. C.  
 Owen, Owen, D. C.  
 Owen, William O. C., N. Y.  
 Owens, Frank M., D. C.  
 Paine, Eva Catherine, D. C.  
 Parker, James Clarence, D. C.  
 Parker, Nancy W., Va.  
 Parker, Ruth Bernard, D. C.  
 Parks, Ruth Anderson, Mass.  
 Pasternak, Alfred, D. C.  
 Paul, Lyman, D. C.  
 Paulson, Eli Martinous, N. Dak.  
 Paulson, Julia Anna, Ind.  
 Percy, Frankie, W. Va.  
 Peard, Richard Price, Md.  
 Penaley, Florence Evelyn, Wis.  
 Peck, Philip V., D. C.  
 Peele, Manly, Va.  
 Pepin, Theophilus, N. H.  
 Perry, Arthur C., Tex.  
 \*Person, Benjamin V., Tex.  
 Peters, Dorothy Belle, Mo.  
 Peters, Melville Fuller, D. C.  
   B.S. in M.E., Michigan College of Mines, 1917  
 Peters, Rupert, Mo.  
 Peterson, Eric George, Kans.  
 Phillips, Gertrude Marie, D. C.  
 Phillips, Gordon Herndon, D. C.  
 Pick, Sarah Virginia, Tex.  
 Pim, James Henry, Colo.  
 Pittman, Estelle M., Ohio  
 Pledger, Charles E., Jr., D. C.  
 Plotaky, Albert, D. C.  
 Pohl, Erwin R., D. C.  
 Popenoe, Willis P., Md.  
 Porter, Etta C., N. Y.  
 Porter, Stella Margaret, Minn.  
 Post, M. Gertrude, D. C.  
 Potter, Owen Ora, Ind.  
 Potts, J. Bernard, D. C.  
 Powell Mary Anna, D. C.  
 Powers, Elisabeth Baldwin, N. Y.  
 Poynton, Edward Arthur, D. C.  
 Preece, John A., D. C.  
 Price, Mary Elizabeth, Md.  
 Pucci, Dominic L., Mich.  
 Pugh, Lacy R., Miss.  
 Pulliam, Robert Wm., N. C.  
 Purdon, Robert Lincoln, D. C.  
 Putnam, Amy Dorothy, N. J.  
   M.A., George Washington University, 1923  
 Putnam, Persia, Ill.  
 Pyle, Mrs. Frank Wilkes, D. C.  
 Quijano, Juan H., P. I.  
 Ramsey, Margaret C., D. C.  
 Randall, Lorena, Md.  
 Rapp, Paul, D. C.  
 \*Raschella, Nicholas Louis, W. Va.  
 Rathbone, Ralph R., Md.  
 Raub, Clifford Alcom, D. C.  
 Rawlins, George T., N. C.  
 Ray, Hartsell Harrison, Kans.  
 Ray, Ruth R., D. C.  
 \*Rea, Virginia, D. C.  
 Read, William Franklin, D. C.  
 Reardon, James L., Ill.  
 Redinger, Carl C., W. Va.  
 Reinamith, Harold G., D. C.  
 Remigio, Ricardo, D. C.  
 Richards, Miriam Grey, D. C.  
 Richardson, David Frederick, Mass.  
 Richardson, Rupert Norval, Tex.  
 Richart, Ruth Elisabeth, D. C.  
 Ridgway, Ethel J., Md.  
 Ritchie, Robert Ernest, Mich.  
 Ritter, Floyd, Va.  
 Roat, Anna Louisa, D. C.  
 Roberts, George L., N. J.  
 Roberts, Minnie Clyde, Miss.  
 Rogers, Alpha, Okla.  
 Rommel, George Frederick, D. C.  
   A.B., 1924, George Washington University  
 Rooney, William F., Mass.  
 Rose, Theodore Edward, D. C.  
 Rosenberg, Fay Frances, D. C.  
 Rosenberg, Ruth, D. C.  
 Rosenlund, Arthur J., Minn.  
 Rosenthal, Jacob, N. Y.  
 Ross, Charles Andrew, D. C.  
 Ross, Frances P., D. C.  
 Ross, Helen Regina, D. C.  
 Rotsler, William M., Utah  
 Roush, Alan Dwight, Ohio  
 Royster, Wallace E., Minn.  
 Ruff, Laura Virginia, D. C.  
 Russell, Paul R., N. Y.  
 Rutkowski, Ignatius, D. C.  
 \*Ryan, Eva, D. C.  
 Ryon, William Albert, D. C.  
 Salter, Kathryn Cary, Fla.  
 Sanders, Gertrude Berliner, D. C.  
 Santos, Paterno, P. I.  
   A.B., 1919; Ph.B., 1921; A.M., 1922,  
   University of Philippines  
 Saunders, Alma E., D. C.  
 Scandifio, Mr. Mario, N. Y.  
 Scanlan, John Thomas, Ill.  
   B.S., University of Illinois, 1923  
 Schafer, Frederick, D. C.



- Scheidel, Otto, D. C.  
 Schlobohm, Frederick John, N. Y.  
 Schoenborn, Theresa Fredericks, D. C.  
 Schotta, Isia, D. C.  
 Schubert, Cora Lee, Tenn.  
 Schulse, Richard P., D. C.  
 Schultz, Mabel E., Pa.  
 Schultz, Joseph Lamont, Pa.  
 Schwartz, Claus J., D. C.  
 A.B., and T.D., George Washington University, 1908  
 \*Schwarz, Felix Conrad, N. Y.  
 Scordos, Crist Gabriel, D. C.  
 Scott, Hugh Andrew, N. C.  
 Scott, Jack Vincent, Ind.  
 Scrivener, Katherine Faber, D. C.  
 Seamon, Caroline Frances, Tex.  
 A.B., Washington College, 1912  
 Sears, Mrs. Edith, D. C.  
 Sedam, Robert Weir, D. C.  
 Seigle, Solomon Simon, Md.  
 Simon, Lois Josephine, D. C.  
 Shannon, Raymond C., D. C.  
 Shapiro, Samuel, Md.  
 Shaw, Dorothy, D. C.  
 Shaw, Florence C., Colo.  
 Shaw, Margaret, D. C.  
 Shea, Cecilia Josephine, D. C.  
 Sheads, Mary Elizabeth, D. C.  
 Shewmaker, Roberta, D. C.  
 Sheldon, Robert Bronson, D. C.  
 \*Shepherd, Alice M., N. H.  
 Shepherd, Robert S., Jr., D. C.  
 Sherman, Mary Ida, D. C.  
 Sherwood, Winifred, Colo.  
 Showalter, Forrest P., D. C.  
 Showalter, William B., W. Va.  
 Shuey, Elva Town, D. C.  
 Shumaker, William Warren, D. C.  
 Shutack, John, D. C.  
 A.B., George Washington University, 1923  
 Sillers, Frederick, Jr., D. C.  
 Simmonds, Florence May, Va.  
 Simpson, Ruth Eleanor, D. C.  
 \*Singer, Louis, D. C.  
 Sioussat, Helen Alice, D. C.  
 Siovia, Alexander D., Greece  
 Sitler, Jeanette, D. C.  
 Sisemore, Martha Chandler, Va.  
 Skehan, Jerome Francis, Pa.  
 Sklar, Robert, D. C.  
 Slechts, Marie, D. C.  
 Smith, Albert, D. C.  
 Smith, Baxter, Va.  
 Smith, Dorothy Millicent, D. C.  
 Smith, Edward Rollie, D. C.  
 Smith, Eva D., D. C.  
 Smith, Frank, N. Y.  
 \*Smith, Hazel, D. C.  
 Smith, Hugh Stewart, D. C.  
 Smith, Isia Virginia  
 A.B., Judson College, 1908  
 B.S., Teachers College, Columbia, 1916  
 Smith, Louise, D. C.  
 Smith, Mabel M., Pa.  
 Smith, Marguerite E., Pa.  
 Smith, Marguerite E., D. C.  
 Smith, Marshall Joseph, Jr., D. C.  
 Smith, Ralph Clifton, D. C.  
 Smith, Zeula Zong, Calif.  
 A.B., George Washington University, 1923.  
 Smithwick, James E., Jr., N. C.  
 Smoot, Henry Kenneth, D. C.  
 Smothers, William Thomas, Ala.  
 Sneed, Mary Miller, D. C.  
 Snowberger, Garnet, Ind.  
 Soeth, Dorothy, Iowa  
 \*Sorber, D. Glenn, D. C.  
 Spano, Raphael, N. Y.  
 Soriano, Candido, P. I.  
 Spence, Vena M., D. C.  
 Spencer, Joseph Baker, D. C.  
 Spencer, Oscar, D. C.  
 Spencer, Richard, Mo.  
 Spencer, Robert Clifton, N. Y.  
 B.S., 1918, Colgate  
 Spielman, Marion Biscoe, D. C.  
 A.B., George Washington University, 1922.  
 Spielman, William Paul, Va.  
 Springman, Helen B. D., Va.  
 Spruka, Henry Charles, D. C.  
 Srisook Charurn, Siam  
 Stabler, Bettie T. R., D. C.  
 \*Stabler, E. Kenneth, Va.  
 Stadler, Robert Burt, D. C.  
 A.B., George Washington University  
 Stanback, Lester, Miss.  
 Stanfill, Robert Carroll, Tenn.  
 \*Stansbury, Laura, N. Y.  
 Stanton, William H. W., D. C.  
 Stelle, Mildred Estella, D. C.  
 Stewart, Margaret M., D. C.  
 Stewart, E. Patrick, W. Va.  
 \*Stockard, John Mahon, D. C.  
 Stodder, Mary E., D. C.  
 Stohman, Helen, D. C.  
 Stout, Wyatt W., Ohio  
 Stover, Ella Antrion, D. C.  
 Street, Margaret, D. C.  
 Sturn, Edna L., Ind.  
 Syron, Elizabeth Burroughs, D. C.  
 Suguitan, Demetrio, P. I.  
 Sulist, Gil Luma, D. C.  
 Sullivan, Bessie Meek (Mrs.), Ga.  
 Sunio, Alberto, P. I.  
 \*Sutlin, James Arthur, D. C.  
 Sutton, Dick, Okla.  
 Swedenborg, Edward A., Idaho  
 Sweely, John N., D. C.  
 Sweeney, Mary A., D. C.  
 Sweeney, William T., Va.  
 Swecker, John Preston, Va.  
 Swingle, Ralph H., D. C.  
 Swingle, William Morgan, D. C.  
 Symons, Arthur, Mich.  
 Tapley, Gladys, D. C.  
 Tapley, Mabel, D. C.  
 Taylor, Thelma Irene, D. C.  
 Tennyson, James Anna, D. C.  
 Tepper, Elizabeth Rose, D. C.  
 Thayer, Olive M., Ill.  
 Thielen, Emma Margaret, Ill.  
 Thom, Ada H., Minn.  
 Thomas, Sarah L., Ill.  
 Thompson, Edwin Clarence, Md.  
 Thonssen, Ruby Ella, D. C.  
 \*Thoreen, Richard Carl, Minn.  
 Thorn, Lulu Bassett, D. C.  
 Thornton, Emily Anna, D. C.  
 Throckmorton, Olga E., D. C.  
 Thurston, Evangeline, Mo.  
 \*Tipton, John Jacob, Md.  
 Tolson, Clyde A., Iowa.

- Tompkins, Arthur G., D. C.  
 Tompkins, Margaret H., D. C.  
 Toulhey, Matthew P., D. C.  
 Towson, Helen J., D. C.  
 Tracy, Harold Francis, Mass.  
 Trainor, Della, Pa.  
 Transue, Russell Levi, D. C.  
 Trappey, A. S. H., D. C.  
 Trenholm, Gerald Lee, S. Dak.  
 Trenis, Mrs. Annie G., D. C.  
 Tron, Robert A., D. C.  
 Troughton, Martha Virginia, Va.  
 Trueman, Mrs. Flora D., D. C.  
 Tschiffely, Mrs. Laura T., Md.  
 Turner, Julian Buford, Va.  
 Unversagt, Henry T., Va.  
 Urbine, Charles Alexander, D. C.  
 \*Vacaro, Josephine M., Italy  
 Van der Broek, Claribel, D. C.  
 Van der Vies, Marie, D. C.  
 Van Hoesen, Mrs. Ethel G., D. C.  
 Veihmeyer, Louise, D. C.  
 Venning, Gladys, Md.  
 \*Vernon, Arthur Alexander, Ireland  
 Vickers, Rose, Md.  
 Villaneuva, Paterno, D. C.  
 Volker, Herman Louis, D. C.  
 VonDachenhausen, George, D. C.  
 Voorus, Robert A., Pa.  
 Wagle, Frank James, N. J.  
 Wagner, Loy Arthur, Ind.  
 Waldron, Callie S., D. C.  
 Walker, Alberta, D. C.  
     A.B., George Washington University, 19  
 Walls, Harry F., Pa.  
 \*Walter, Eva May, Ill.  
     A.B., George Washington University, 1923  
 Walter, Gertrude Elisabeth, D. C.  
     A.B., 1920, George Washington University  
 Walter, Herbert Elmore, D. C.  
 Walter, Lawrence George, D. C.  
 Walters, J. E., D. C.  
 Wangler, John George, N. Y.  
 Ward, Robert Spencer, D. C.  
 Ward, Ruthellen, D. C.  
 Ward, William English, D. C.  
 Washington, Daniel Boone, D. C.  
 Wasmuth, Karl E., N. Y.  
 \*Watkins, Samuel A., N. C.  
 \*Watts, Edna Ethel, Okla.  
 Watts, Leila Eleanor, D. C.  
 Wallace, Ralph W., Okla.  
 Wendon, L. Margaret, Va.  
 Weaver, Henry Edmund, D. C.  
 Webb, Willard, Tenn.  
 Weber, Raymond C., Pa.  
 Weigandt, Henri N.  
     A.B., George Washington University, 1922  
     A.M., George Washington University, 1923  
 \*Weigel, Thomas B., D. C.  
 Weisley, Mabel O., D. C.  
 Weisley, Sadie G., Pa.  
 Welch, Helen Genevieve, Mass.  
 Welch, William A., Ga.  
 Welch, Nellie Irene, Pa.  
 Wemple, Edwin Copeley, N. Y.  
 Wentworth, Chester Nelson, D. C.  
 Wesely, Genevieve, D. C.  
 Whaley, Mildred Cecile, D. C.  
 Whipple, M. Edith, Iowa  
 White, Emilie Margaret, D. C.  
     A.B. and M.A., George Washington University  
 White, Hilda S., Va.  
 \*Whitmer, Olive Jones, Ill.  
 \*Whitsell, Margaret Eva, D. C.  
 Whorral, Charles H., D. C.  
 Wibirt, Margaret B., Va.  
 Wilkinson, Oscar Stevenson, D. C.  
 Wilkinson, Richard Wallace, D. C.  
 Willey, Hazel Italee, Md.  
 Williams, Arthur Perry, D. C.  
     B.A., Hobart College, 1911  
     B.S., Cornell University, 1913  
 Williams, Mrs. Georgia S., D. C.  
 Williams, Mary A., Tenn.  
 Williams, Mathilde Dorothea, D. C.  
 Williams, Rober B., Ohio  
 Williamson, Kenneth Theodore, D. C.  
 Williford, Imogene, Miss.  
 Wills, George Atkinson, Tenn.  
 Wilson, Agnes W., Ind.  
 \*Wilson, Bertha Orris, Me.  
 Wilson, George Hilton, D. C.  
 Wilson, Gordon, D. C.  
 Wilson, Harry Hazen, D. C.  
 Wilson, Ruth, D. C.  
 Wilson, Ruth, Tex.  
 Wimer, Martha Elizabeth, D. C.  
 Wingate, Rosa, D. C.  
 Winjker, Thelma H., D. C.  
 Wincheart, Marshall C., D. C.  
 Wolf, Hattie Mary, D. C.  
 Wolf, Marguerite, Md.  
 Wood, Mary Louise, D. C.  
 Woodin, Mrs. Virginia, D. C.  
 Wormser, Hazel, Kans.  
 Wright, Debbye Jean, Ark.  
 Wright, Jefferson Davis, D. C.  
 Wright, Matilda Douglas, D. C.  
 Wright, Meador, Va.  
 Wright, William P., D. C.  
 Yale, Miles Augustus, Conn.  
 Yates, Edwin L., D. C.  
 Yearn, Kenneth, D. C.  
 York, Brower V., N. C.  
 Yorgour, Sonia S., D. C.  
 \*Young, John Clifton, Ga.  
 \*Young, Rose Virginia, D. C.  
 Youngman, Frederick Edwin, Wyo.  
 Zapolsky, Arthur Arnold, N. Y.



Students Registered in the Department of Arts and Sciences 1924-25:  
School of Graduate Studies—

Students in attendance .....	75	
Candidates for Ph. D. degree .....	47	
Candidates for M. S. degree .....	52	
Candidates for A. M. degree .....	230	
		404

Columbian College—

Candidates for A. B. degree .....	1,888	
Special students .....	869	
Special pre-medical students .....	58	
		2,815

College of Engineering—

Candidates for B. S. in Arch. degree .....	53	
Candidates for B. S. in Chem. degree .....	53	
Candidates for B. S. in Chem. Eng. degree .....	71	
Candidates for B. S. in C. E. degree .....	118	
Candidates for B. S. in E. E. degree .....	119	
Candidates for B. S. in M. E. degree .....	90	
Candidates for B. S. in Physics degree .....	8	
Special students .....	71	
		583

Teachers' College—

Candidates for A. B. degree and Teacher's Diploma .....	473	
Special students .....	74	
		547

Total .....	4,349	
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# MEDICAL SCHOOL

## FIRST YEAR, 1924-25

Alesi, John Charles	N. Y.	1234 10th St. N. W.
Andrus, Leonard Milo	Utah	128 B St. N. E.
1920, Utah Agricultural College		
Bachrach, Louis Bernard	D. C.	2102 1st St. N. W.
Balter, Abraham Max	Pa.	1226 17th St. N. W.
Banks, John Anthony	Pa.	1619 R St. N. W.
Bonanno, Emil S.	N. Y.	1618 H St. N. W.
A. B., 1924, George Washington University		
Boyd George Washington Francis	D. C.	111 12th St. N. E.
Phar, D., 1919, George Washington University		
Calvin, Charles Hiram	N. J.	1719 Eye St. N. W.
Carlino, Charles Indelicato	N. Y.	1211 H St. N. W.
Coakley Walter Francis	Ohio	2018 1/2 H St. N. W.
Carpenter, Cedric Caesar	D. C.	3752 Kanawha St.
Carr, Elma Bebee	D. C.	1420 R St. N. W.
A. B., 1920, George Washington University		
M. A., 1921, George Washington University		
Copping, John Blake	D. C.	1632 17th St. N. W.
D. D. S., 1918, George Washington University		
Courtney, Francis Xavier	N. Y.	1326 Vermont Ave.
*Cromer, Jerry Keith	D. C.	1218 11th St. N. W.
DeVore, Etta Louise	D. C.	4 Iowa Circle
Dewey, George	D. C.	1819 G St. N. W.
Dougherty, Daniel Dennis	N. J.	1326 Vermont Ave.
Duffey, Depue Hazen	D. C.	
*DeRespiris, Edward	N. Y.	1328 12th St. N. W.
Edelstein, Isidore Samuel	N. Y.	1022 17th St. N. W.
B. S., 1924, College of the City of New York		
Farrar, Frederic William	D. C.	2006 Columbia Rd.
Feehtig, William David	D. C.	810 E St. S. E.
Fermaglich, Harry Benjamin	N. Y.	1110 M St. N. W.
Gordon, Leon Stuart	D. C.	321 N St. S. W.
Gorlin, David Oscar	N. Y.	1204 K St. N. W.
Hall, John Fonatine	Md.	Bethesda, Md.
Harmon, Robert Howe	Miss.	16th and Irving Sts.
A. B., 1915, Millsaps College		
Hoechstetter, Stanton	Pa.	1221 Eye St. N. W.
Houss, Hugh Osgood	Md.	College Park, Md.
A. B., University of Maryland, 1924		
Hughes, William Henry	D. C.	Y.M.C.A., 1836 G St. N. W.
Impastato, David John	N. Y.	1111 11th St. N. W.
Irisarry, Benito Ambrosio	P. R.	1234 10th St. N. W.
*Irisarry, Jose M.	P. R.	1234 10th St. N. W.
Jacobson, Samuel	N. Y.	1223 K St. N. W.
B. S., 1924, College of the City of New York		
Kelly, Thomas Joseph	Va.	329 South Alfred St., Alexandria, Va.
Kline, Gordon Mabey	D. C.	5622 9th St. N. W.
Leonardo, Alexander	D. C.	724 Rock Cr. Ch. Rd.
Lewis, Julius Evan	Va.	1742 Riggs Pl. N. W.
Lewis, Mark Larsen	Utah	13 2nd St. N. E.
A. B., Brigham Young University		
Lista, Louis Joseph	W. Va.	513 D St. S. E.
A. B., 1924, George Washington University		
Lopes, Jose Alberto	P. R.	909 L St. N. W.
Malerba, Benjamin Palmer	N. Y.	1223 K St. N. W.
McCoy, Carroll Alonzo	D. C.	2407 12th St. N. E.
Meloy, William Carey	D. C.	1825 16th St. N. W.
Mesnik, David	N. Y.	1110 M St. N. W.
B. S., 1924, College of the City of New York		
Nilasso, Peter John	N. Y.	1811 G St. N. W.
B. S., College of the City of New York		
Moriarty, John	N. J.	1234 10th St. N. W.
*Mosser, Charles Yarnelli	W. Va.	915 M St. N. W.
Morse, Willis Brown	Pa.	915 20th St. N. W.
Murray, Raymond Wilkins	D. C.	209 6th St. N. E.
Nicklas, Edward Wilson	D. C.	1347 Perry Pl. N. W.
*Nolfo, Louis Anthony	N. Y.	1211 H St. N. W.
Notte, Dominic Addolorate	N. J.	1138 7th St.
Ottenberg, Gilbert	D. C.	3465 14th St. N. W.
A. B., 1922, George Washington University		
M. A., 1924, George Washington University		
Petrie, Lester Marshall	D. C.	3921 5th St. N. W.
B. S., 1924, Westminster College		
Proffitt, Anthony	D. C.	1110 M St. N. W.
Purso, Grace Guile	D. C.	5026 Klinge St. N. W.
A. B., 1924, George Washington University		



Rabinowitz, Milton Herbert	N. Y.	1022 17th St. N. W.
B. S., 1924, College of the City of New York		
*Rifci, Charles	N. J.	1221 N St. N. W.
Rossano, Thomas Alexander	N. Y.	1110 M St. N. W.
Rutkoski, Ignatius	D. C.	3414 14th St. N. W.
Ryland, Charles Pennington, Jr.	Va.	801 C St. S. W.
Ryon, William Albert	D. C.	327 11th St. S. E.
Scandifio, Mario	N. Y.	1811 G St. N. W.
Shwarsman, John Ulriet	Va.	218 N. Alfred St., Alexandria, Va.
Sonberg, Morris	N. Y.	1534 14th St.
B. S., 1924, College of the City of New York		
Spano, Raphael Salvador	N. Y.	2105 Eye St. N. W.
Spessard, Lester Lewis	D. C.	224 Ascot Pl. N. E.
A. B., 1911, Lebanon College		
M. S., 1918, University of Washington		
Stokes, Walter Raymond	D. C.	508 Clifton Terrace
L. L. B., 1924, George Washington University		
Stretch, James Edison	Conn.	1211 R. I. Ave.
Toranto, James Vincent	N. Y.	1221 N St. N. W.
Vandenberg, George Joseph	Wash.	1221 Eye St. N. W.
B. S., University of Washington 1919		
*Washington, Daniel Boone	D. C.	809 K St. N. E.
*Wiard, George Clark	Va.	1747 Church St. N. W.
Wildman, Thomas Albert	D. C.	1232 Euclid St. N. W.
Wilkinson, Richard Wallace	D. C.	4700 16th St. N. W.
Ziegler, Edwin Eugene	D. C.	3025 Cambridge Pl.

## SECOND YEAR

Adler, Samuel S.	N. Y.	1022 17th St. N. W.
Belt, Norvell	D. C.	1907 G St. N. W.
A. B., George Washington University, 1924		
Berman, Morris	N. Y.	1320 10th St. N. W.
Bono, Joseph J.	N. J.	1219 M St. N. W.
Breithart, Lawrence	N. Y.	1204 K St. N. W.
Brownstein, Jacob M.	N. Y.	1814 Riggs Pl. N. W.
Cantrell, William Clyde	Tex.	1829 G St. N. W.
Ph. G., Phar. D., A. B., 1919, Baylor University and George Washington University		
Cart, Harry	N. Y.	928 M St. N. W.
Chernushin, Robert	N. Y.	1118 13th St. N. W.
B. S., 1922, College of the City of New York		
Colon, Julio Enrique	P. R.	930 K St. N. W.
Ph. Chem., 1915, University of Porto Rico and A. B., 1924, George Washington University		
Chickering, Elizabeth Emery		1719 Riggs Place
A. B., 1923, George Washington University		
Creveling, Cyrus Robbins	Pa.	511 9th St. S. W.
Cushard, William Green	Ohio	2414 North Capitol St.
Durham, Carey Winston	N. C.	1914 H St. N. W.
Erlain, Anthony B.	Pa.	621 19th St. N. W.
Felpe, Hugh Edgar	Tenn.	1531 P St. N. W.
Finkelstein, Abe S.	N. J.	1525 Eye St. N. W.
Finkelstein, H. Max	Pa.	1221 Eye St. N. W.
Fradkin, William Zev	N. Y.	315 7th St. N. E.
A. B., 1924, George Washington University		
Fred, Harry	N. Y.	1301 N St. N. W.
Gable, George Roland	D. C.	4729 Georgia Ave. N. W.
Ginsberg, Harry	D. C.	50 N St. S. W.
Gittleman, Morton	D. C.	664 Highland Ave., Takoma Park, D. C.
Graeff, Earl William	Pa.	1651 Hobart St.
Gram, Edward Jacob	D. C.	2024 Eye St. N. W.
A. B., 1924, George Washington University		
Greenman, Morris L.	N. Y.	1814 Riggs Pl. N. W.
Hersh, David H.	N. J.	1022 17th St. N. W.
Hillman, Fred C.	N. J.	930 K St. N. W.
A. B. in Sciences, 1923, Catholic University		
Hixson, Clayton Howard	D. C.	333 Webster St. N. W.
Horowitz, Douglas G.	N. Y.	1122 13th St.
Jampel, John	N. Y.	1207 11th St.
B. S., College of the City of New York, 1923		
Kamen, Daniel Harry	N. Y.	1800 K St.
Kahn, Bernard Samuel	N. Y.	1525 I St.
A. B., Columbia, 1923		
Krause, Edward A.	Kans.	1320 Vermont Ave. N. W.
A. B., George Washington University, 1923		
Lawton, William H.	S. C.	4225 3rd St. N. W.
B. S., 1918, Clemson College		

Levine, David B.	N. J.	1110 M St. N. W.
Litwinsky, Joseph	N. Y.	1113 K St. N. W.
McDougall, Dan Campbell	Idaho	4223 3rd St. N. W.
McQuarrie, Edward Snow	Utah	128 B St. N. E.
Mendelblatt, David Lee	Pa.	455 M St. N. W.
Minowitz, Samuel W.	N. Y.	608 7th St. S. W.
Malock, Leon J.	Pa.	1325 Vermont Ave.
Marmina, Abe R.	Pa.	1003 L St. N. W.
Morgenstein, Louis Kalmin	N. J.	1740 Kalorama Rd. N. W.
Moore, John Frederick	Md.	11 Spring St.
B. S., 1923, University of Maryland		Chevy Chase, Md.
Moss, Fred August	Va.	209 Virginia Ave., Clarendon, Va.
A. B., 1913, Mercer		
M. A., 1920, Columbia		
Ph. D., 1923, George Washington University		
Neviaser, Julius Salem	D. C.	1758 Lanier Pl. N. W.
A. B., 1923, George Washington University		
Novagodsky, Samuel	N. Y.	1204 K St. N. W.
Ottman, Millard F.	Ill.	1829 G St. N. W.
A. B., 1924, George Washington University		
Petrie, Edith Margaret	D. C.	3921 5th St. N. W.
B. S., 1923, Westminster College		
Pintov, Israel	N. Y.	1133 8th St. N. W.
Proce, Alec Ambrose	D. C.	1511 22nd St.
A. B., 1925, George Washington University		
Reich, Jerome Joseph	N. J.	1912 16th St. N. W.
Reisinger, John Charles	D. C.	2020 Summit Pl. N. E.
Rogers, Samuel Lyle	N. C.	1620
Rosen, A. Nathaniel	N. Y.	1912 16th St.
Rosenbaum, Louis	N. Y.	925 Massachusetts Ave.
Sauber, Irving E.	D. C.	Colonial Hotel
Sarubin, Benjamin	Md.	2443 Woodbrook Ave., Baltimore, Md.
Seiler, Benjamin	N. Y.	112 3rd St. N. E.
A. B., George Washington University, 1924		
Sette, Alfred Joseph	Conn.	1220 Irving St. N. W.
Siskind, William	N. Y.	1525 I St.
Smith, Edwin Kirby	Ill.	1810 Conn. Ave.
Smith, George Henry	Va.	1326 Vermont Ave.
Steinbach, Meyer	Md.	2121 W. North Avenue, Baltimore, Md.
Steinberg, Joseph	N. Y.	5509 13th St. N. W.
B. S., 1923, College of the City of New York		
Suraci, Francis X.	D. C.	1223 H St. N. E.
Sutherland, Thomas Gordon	Utah	128 B St. N. E.
B. S., Utah Agricultural College, 1923		
Talavera, Damaso	P. R.	1322 Mass. Ave. N. W.
Weits, Abraham	N. Y.	930 16th St. N. W.
A. B., 1923, George Washington University		
Weits, Martin Lester	N. J.	1022 17th St.
Wilson, John Mants, Jr.	Md.	132 3rd St. S. E.
Wood, Jonathan E.	N. J.	1803 19th St. N. W.

## THIRD YEAR

Anderson, Aleatha Evelyn	W. Va.	1415 E Capitol St.
A. B., 1923, George Washington University		
Arenson, David George	N. Y.	1517 Rhode Island Ave. N. W.
Becker, Samuel	N. J.	1016 16th St. N. W.
Blinder, Samuel	N. Y.	1517 Rhode Island Ave. N. W.
Borow, Maurice	N. J.	1434 N Street N. W.
Bowie, Andrew Keene	Md.	1619 R St. N. W.
Borrone, Milton George	N. J.	1324 Massachuset Ave.
Boyd, James Irving	D. C.	1755 Church St. N. W.
A. B., 1923, George Washington University		
Brotman, Irving	D. C.	1430 Meridian Place N. W.
Cherniak, Sylvester	Pa.	1102 14th St. N. W.
A. B., 1923, George Washington University		
Colvin, Henry Lynn	D. C.	926 B St. S. W.
Cornwell, Abner Milton	N. C.	1300 Massachusetts Ave.
Corriero, William	N. Y.	943 Massachusetts Ave.
Cox, Ronald A.	Md.	1714 Q St. N. W.
Dantsig, Louis	N. Y.	1016 16th St. N. W.
Davidson, James Ford	N. Y.	2012 O St. N. W.
Datta, Philip	D. C.	2923 Georgia Ave.
Dinerman, Benjamin	N. Y.	2021 O St. N. W.
Dillard, Edward Vincent	N. Y.	1619 R St. N. W.
Drago, Joseph John	N. Y.	621 19th St. N. W.
Ellerson, Edmund Murdough	D. C.	2134 R St. N. W.



Engler, William	N. Y.	1322 Rhode Island Ave.
Evans, Atha West	N. C.	1006 13th St. N. W.
Friedman, Milton	N. J.	2021 O St. N. W.
Gantz, Frank E.	S. D.	1300 Massachusetts Ave.
Gelber, Louis J.	N. Y.	621 19th St. N. W.
Gurevich, Bernard J.	Md.	3314 Mt. Pleasant St.
Goodiel, Carlton	Pa.	1326 Vermont Ave. N. W.
Harberg, Hyman	Va.	4924 9th St. N. W.
Hyman, David	N. Y.	937 K St. N. W.
Jansen, Russel John	Minn.	1717 8 St. N. W.
Larkin, Joseph John	N. J.	1300 Mass. Ave. N. W.
Mandelbaum, G. M.	N. Y.	5 Iowa Circle
Markowits, Arthur A.	N. Y.	1003 L St. N. W.
Martin, Lee Ricard	D. C.	1730 M St. N. W.
B. S., 1921, Virginia Military Institute		
McNeil, James Hubert	D. C.	1645 Park Road
Meiman, William George	D. C.	1308 Randolph St. N. W.
Nelson, Walter Nathaniel	Conn.	1326 Vermont Ave.
B. S., 1922, Wesleyan		
Newman, Morris Simon	N. Y.	5 Iowa Circle
A. B., 1922, University of Missouri		
M. A., 1923, University of Missouri		
Pinsky, Isadore	N. Y.	1122 13th St. N. W.
Pulman P. Boothe	Va.	R. F. D. 4, Alexandria Va.
Ritchie, William Suit	Md.	Ritchie, Md.
Rollings, Harry West	W. Va.	1372 Kenyon St.
Schwartz, Israel Samuel	N. Y.	1425 21st St. N. W.
Seldin, Reuben S.	N. J.	1248 C St. N. E.
Smith, Howard Lee	Md.	601 Carroll Ave., Takoma Park, Md.
Solnitaky, Othmar	D. C.	1301 Mass. Ave. N. W.
Sommers, A. E.	N. J.	1517 Rhode Island Ave. N. W.
A. B., 1922, Cornell University		
Spiegler, Arnold Abraham	N. Y.	1912 16th St. N. W.
Steinberg, Louis	N. Y.	1131 10th St. N. W.
Suraci, Xaverius Aurelio	D. C.	1602 7th St. N. W.
Tepfer, Gustave A. H.	N. Y.	621 19th St. N. W.
Van Natta, Paul Clopton	Mo.	1619 R St. N. W.
A. B., 1923, George Washington University		

## FOURTH YEAR

Anuario, Charles B.	N. J.	1812 G St. N. W.
Blum, Henry	N. Y.	930 16th St. N. W.
Bonworth, Robert Joseph	D. C.	523 5th St. N. E.
A. B., 1921, George Washington University		
Bowen, George Leveridge	Kans.	1339 H St. N. W.
A. B., 1922, George Washington University		
Bradley, Henry George	Del.	Tuberculosis Hospital
A. B., George Washington University		
Brilmyer, George Joseph	D. C.	45 Q St. N. E.
B. S., 1913, Alma College		
M. S., 1918, University of Michigan		
Butler, Homer Kirk	D. C.	1611 Riggs Pl. N. W.
Phar. D., 1911, George Washington University		
Chapman, Katharine Antoinette	Md.	Kensington, Md.
A. B., 1922, George Washington University		
Cockerille, Laurence Lee	D. C.	3649 13th St. N. W.
Council, Esmund Ensley	N. C.	1216 K St. N. W.
Cresswell, George William	Md.	Wardman Park Hotel
A. B., 1922, George Washington University		
Cullimore, Lloyd Lorenzo	Utah	1339 H St. N. W.
B. S., 1922, University of Utah		
Davila, Jose Esteban	P. R.	1330 Massachusetts Ave.
Dennison, Robert	D. C.	1834 Connecticut Ave.
A. B., 1922, George Washington University		
Evans, Leland Moroni	Utah	1326 Vermont Ave.
A. B., 1922, George Washington University		
Friedenberg, Harry	D. C.	1443 Monroe St. N. W.
A. B., 1922, George Washington University		
Geier, Fred A. G.	D. C.	1736 F St. N. W.
Iadano, Louis	N. J.	22 New York Ave.
Johnson, Don	Utah	1339 H St. N. W.
L. L. B., 1916, Catholic University		
King, William Binford	Va.	331 Frazier Ave., Va. Highlands, Va.
A. B., George Washington University	N. Y.	1817 Kenyon St. N. W.
Lattman, Isidore		
Ph. G., 1916, Columbia University		
A. B., 1920, George Washington University		
Lopez, Victor A.	N. Y.	1338 Shepherd St. N. W.

Marra, Rocco Salvatore	N. J.	1426 M St. N. W.
McNitt, Harry Arnold Hull	D. C.	1528 O St. N. W.
McNitt, Henry John Russell	D. C.	1528 O St. N. W.
Morgan, Edwin King	D. C.	1205 15th St. N. W.
Nathanson, Esther Alevia	D. C.	1787 Lanier Pl. N. W.
A. B., 1922, George Washington University	Va.	1000 Maryland Ave. N. E.
Nicholson, Margaret Mary	D. C.	1544 9th St. N. W.
A. B., 1922, George Washington University	D. C.	2925 Ordway St. N. W.
Nimets, Aaron	P. R.	1330 Mass. Ave. N. W.
A. B., 1922, George Washington University	Calif.	1324 Massachusetts Ave.
Notes, Bernard	Wis.	708 Massachusetts Ave.
Passalacqua, Louis A.	D. C.	1838 11th St. N. W.
A. B., 1922, George Washington University	D. C.	Casualty Hospital
Pavlinac, Joseph Henry	D. C.	1353 Shepherd St. N. W.
B. S., 1921, Notre Dame	Kans.	1326 Vermont Ave.
Pinkerton, Harold Allen	N. Y.	1716 F St. N. W.
B. S., 1923, University of Wisconsin	N. Y.	1360 Columbia Rd.
Porton, Stanley Paul	N. Y.	3011 Rodman St. N. W.
Potter, Harold Walter	Va.	427 Wilkes St.
Protas, Maurice	Alexandria, Va.	410 H St. N. W.
A. B., 1921, George Washington University	Ohio	Emergency Hospital
Ray, Hartell Harrison	W. Va.	1738 F St. N. W.
Rhame, Harold Ellis	Va.	1716 F St. N. W.
Rubino, Anthony P.	Conn.	1223 K St. N. W.
Rosenblatt, Louis	D. C.	1326 Columbia Rd. N. W.
Schafer, William Lewis	D. C.	4800 16th St. N. W.
Sehilling, Anthony B.	P. R.	1328 Mass. Ave. N. W.
Searl, Howard A.		
Skarsinski, Stanley John		
Stallard, Clint Wolfe		
Stretch, Clarence Loughlin		
A. B., 1922, George Washington University		
Symonds, Katharine Godfrey		
A. B., 1921, George Washington University		
Thomas, William Raymond		
Trelles, Laureano		

\* Not in attendance throughout year.

## STUDENTS REGISTERED IN THE SCHOOL OF PHARMACY, 1924-1925

Name.	Address.
Alley, Marion S.	514 15th Street N. E.
Baker, Harley E.	430 3rd Street N. W.
Hall, Geo. L.	118 Maple Avenue, Takoma Park, D. C.
Barnett, Shelton J., Jr.	401 Sherman Apts., 15th and L Streets N. W.
Beach, Theo. R.	525 Queen Street, Alexandria, Va.
Briggs, W. Paul	237 9th Street N. E.
Burns, Ted. A.	133 Carroll Street S. E.
Carter, Geo. R.	6305 3rd Street N. W.
Cawthorne, Hugh S.	3620 33rd Street, Mt. Rainier, Md.
Crowther, Aloha H.	Laurel, Md.
Duval, Geo. C.	1116 I Street S. E.
Ghani, Fud A.	3665 10th Street N. W.
Hamilton, Philip W.	45 M Street N. W.
Heller, William L.	1719 I Street N. W.
Kardys, John A.	230 First Street S. E.
Kinner, Harold C.	Mt. Rainier, Md.
Michaels, Benj. J.	3256 Q Street N. W.
Membert, Jas. A.	405 A Street S. E.
McMurray, J. Arthur	1322 Massachusetts Avenue N. W.
O'Meara, Frank E.	317 S. Washington Street, Alexandria, Va.
Pettitt, Bernard A.	1327 Potoman Avenue S. E.
Picard, Frd.	1743 18th Street N. W.
Reznek, Solomon	201 15th Street N. E.
Rod, Isadore	1769 Lanier Place N. W.
Schwartzman, Aron	484 M Street S. W.
Smith, William	1001 8th Street N. W.
Troiger, Henry D.	1644 Fuller Street N. W.
Warren, Milton F.	1819 G Street N. W.
Yoelson, George	713 4½ Street S. W.



## STUDENTS REGISTERED IN THE LAW SCHOOL, 1924-25

Names of students who have withdrawn or graduated are indicated by stars; those who have entered since February 2, 1925, by daggers.

### FIRST YEAR

Allen, Atta Brooks A.B., Ohio University Ohio	Blake, Ida Vincent Ohio
†Alley, Charles Rives District of Columbia	Bloch, Don Illinois
Allison, Raymond Dean Utah	Blum, Sophia Pennsylvania
Alseen, Myrtle Frances Carolyn A.B., George Washington University Minnesota	Bogart, James Helmus District of Columbia
Amea, Paul Russell B. S. in Chem. E., California Institute of Technology California	Bohannon, William Thomas Maryland
*April, Ella District of Columbia	*Bolik, Leo Ernest A.B., Lenoir College Virginia
†Arscomanian, Jacob S.B., Massachusetts Institute of Technology Massachusetts	Bonett, David Joseph B.S. and M.E., College of the City of New York New York
*Atkins, Robert Stephenson B.A., University of Richmond Virginia	Bowden, Bernice Saunders Virginia
†Aul, Joseph L. B.A., Columbia University New York	†Bowden, William K. District of Columbia
Bailey, Joseph Pennington District of Columbia	Boynton, Henry Stanwood B.S. in Ch. Eng., University of Maine Maine
Bailey, Roy Wells A.B., Syracuse University Maryland	Bradley, John Reed Pennsylvania
*Barrow, Mary Gladys A.B., George Washington University District of Columbia	Brandenburg, Francis Walter District of Columbia
†Baaser, William Sidney A.B., George Washington University District of Columbia	Brauner, Ralph Herman B.S. in M.E., George Washington University District of Columbia
Bates, William Tucker B.S., Furman University South Carolina	Breeden, Edward Lebbens Virginia
*Beech, James Charles Pennsylvania	Brewster, Joseph Evan B.S., Virginia Military Institute New York
†Bell, Florence Colfax New York	Brewster, Vernon Harcourt B.S., Northwestern University Illinois
Bell, Lanneau Riggs South Carolina	Broder, Simon M.E., Cornell University New York
Bender, Leo A.B., George Washington University Maryland	†Brown, George Elmer B.S., Princeton University Massachusetts
†Bentley, Jordan Ruthven District of Columbia	Brown, Lynn H. A.B., University of Kansas Kansas
Bergan, John Philip Illinois	Brown, S. Howell, Jr. B.S., Massachusetts Institute of Technology District of Columbia
†Bernsten, Rosalie District of Columbia	Brown, Thomas Hayward Mississippi
†Berry, John Marshall Kentucky	Bruner, Kenneth Henthorne Indiana
Berry, William V. Kentucky	Buchalter, David Charles District of Columbia
Bever, Ellis Dorwin Kansas	†Buchheister, George Gustav Maryland
Billhimer, Robert Stanley Virginia	†Buckingham, Harriet Indiana
Blackmar, Lawrence James A.B., Syracuse University New York	

- Burke, Ellen Teresa  
A.B., George Washington University  
District of Columbia
- Bushong, Edward Stuart  
B.A., Davis and Elkins College  
Maryland
- Byerly, John Houck  
Maryland
- †Byrne, Edward Munson  
District of Columbia
- Callender, John Wesley  
District of Columbia
- \*†Campbell, Colin  
Graduate U. S. Naval Academy  
Virginia
- †Carpenter, Lewis B.  
A.B., Lenoir College  
North Carolina
- †Carruth, William Theron  
Utah
- Carter, Rolla  
B.E.E., Ohio State University  
Ohio
- Casey, Marlin Scott  
Kansas
- †Castle, James Manderson, Jr.  
B.S. in Ch., University of Pennsylvania  
Pennsylvania
- †Chandler, William Snyder  
District of Columbia
- Chaney, Donald John  
District of Columbia
- †Chapin, Selden  
Graduate U. S. Naval Academy  
District of Columbia
- \*Chase, Ralph Henry  
B.A., University of Maryland  
District of Columbia
- Chez, Joseph Carlos, Jr.  
Utah
- Chipman, Lyman M.  
Utah
- \*Chisholm, Roy Davies  
Minnesota
- Clagett, John Francis  
A.B., University of Maryland  
Maryland
- †Clark, Russell Herman  
Maryland
- Cobb, Roy Leslie  
Ohio
- Coble, Adlai Stevenson  
M.E., Cornell University  
District of Columbia
- Coe, Allen  
Maryland
- Collier, Cranfill H.  
Texas
- Connelly, John Waldo, Jr.  
A.B., George Washington University  
B.F.S., Georgetown University  
District of Columbia
- Cooper, Morton Oscar  
M.A., American University  
B.S. in A.L., Iowa State College  
Tennessee
- Cooperman, Harriet  
A.B., George Washington University  
District of Columbia
- †Cotton, Norris Henry  
New Hampshire
- †Cowley, Samuel P.  
B.S., Utah Agricultural College  
Utah
- Crabbe, William Mothershead  
Kentucky
- \*†Cressy, Willis Earl  
Washington
- Crews, Joseph Sharrell  
North Carolina
- †Crocker, Arthur Wilbur  
Virginia
- \*Crumley, Edward Craig  
North Carolina
- Culbertson, Paul Trauger  
Ph.B., Yale University  
Kansas
- †Currie, Robert Jerry  
Michigan
- \*Curry, Basil Holloway  
A.B., Baylor University  
Texas
- \*Curtiss, Glen Elmer  
A.B., Syracuse University  
New York
- †Dalby, Clifton F.  
Utah
- †Daughton, Claude  
North Carolina
- †Davico, Virgil Francis  
Ch. E., Brooklyn Polytechnic Institute  
New York
- Davidow, Israel  
New Jersey
- †Davis, Carl Louis  
West Virginia
- Deibler, David Hobson  
Maryland
- DeLong, Forrest Allen  
Pennsylvania
- Denny, Thomas Shaekelford  
Missouri
- †DePue, Thomas Norris  
B.S., West Virginia University  
West Virginia
- Dimon, Philip Worthington  
A.B., Johns Hopkins University  
District of Columbia
- Disney, Dorothy Cameron  
Oklahoma
- †Domigan, Horace Wynkoop  
Ohio
- Donaldson, Kenneth  
C.E., Lehigh University  
District of Columbia
- Donovan, Lucile  
Indiana
- \*Dorsey, Theodore Hooper  
Maryland
- Doub, Donald Joseph  
A.B., Gettysburg College  
Maryland
- Drummond, Earle Jay  
A.B., George Washington University  
Ohio
- Duft, Harry Charles  
A.B., Phillips University  
Nebraska
- †Dunn, Robert Thomas  
A.B., Ohio State University  
Ohio
- Earseman, Lois  
A.B., Mt. Union College  
Pennsylvania
- Eggleston, George William  
Indiana



- \*Ehrlich, Emil  
New York
- †Ely, Nathaniel  
New Jersey
- Emerson, Lee Earl  
A.B., Syracuse University  
Vermont
- Emrick, Eggleston Byers  
Colorado
- †Entriken, Samuel Everett  
District of Columbia
- Epes, William Robinson  
B.S. in M.E., Virginia Polytechnic  
Institute  
Maryland
- Epstein, Leonard  
B.S.C., University of North Carolina  
North Carolina
- †Faris, Frank Brodix  
A.B., University of North Carolina  
Indiana
- †Farnum, Edward Shippen Watson, Jr.  
District of Columbia
- \*Feild, Robert Bryan  
Tennessee
- Feldman, Solomon Herman  
District of Columbia
- Felshin, Judah Barnett  
M.E., Stevens Institute of Tech-  
nology  
New York
- \*Ferguson, Walter S.  
Kansas
- Flint, Joseph Howard  
B.Chem., Cornell University  
New York
- Flora, Carl Morton  
Oklahoma
- Franklin, Gordon Albert  
Illinois
- Fraser, William August  
District of Columbia
- Friedrich, Charles  
New York
- Fuquay, Leon McLeod  
North Carolina
- Gable, Paul DeLong  
District of Columbia
- Galloway, Beverly Stewart  
A.B., Lehigh University  
New York
- \*†Gans, Harriet Neff  
B.A., Wellesley College  
District of Columbia
- †Gantt, Sue Elizabeth  
A.B., Goucher College  
Maryland
- Gardiner, Carl Wade  
New Jersey
- \*Gardiner, Harold Lincoln  
Rhode Island
- Geppert, Carl Frank  
E.E., University of Dayton  
Ohio
- Gettle, Francis Samuel  
Arkansas
- Gibson, Edward Banks  
Graduate U. S. Naval Academy  
District of Columbia
- Gibson, Ernest William  
A.B., Norwich University  
Vermont
- Gifford, Wendell Pardon  
New Jersey
- Goldstein, Leonard  
Virginia
- Goodwyn, Harriet Gwendoline  
B.A., University of Minnesota  
District of Columbia
- Graves, Harold Nathan  
A.B., Knox College  
Illinois
- †Gray, Carroll  
District of Columbia
- Greenberg, Abraham S.  
B.S., College of the City of New York  
New York
- †Griffin, Ray Ewell  
Arkansas
- Gruny, Charles Ray  
A.B., Illinois College  
Illinois
- \*Hack, Leo Ralph  
Pennsylvania
- †Hall, Franklin Christian  
B.A., St. John's College  
District of Columbia
- Hallowell, Robert Logan  
North Carolina
- Hanes, Stanley Bartlett  
Virginia
- †Hannigan, Isabell  
Michigan
- Hanscom, LeRoy  
A.B., University of California  
California
- †Harris, Floyd Mandeville  
B.S., Carnegie Institute of Tech-  
nology  
Pennsylvania
- Haughey, John Theodore  
Iowa
- \*Healy, Henry Michael  
Massachusetts
- Heaton, Forrest Franklin  
District of Columbia
- Heilman, Joseph Wolfe  
B.S. in Economics, University of  
Pennsylvania  
District of Columbia
- Hempstead, David Kinkad  
A.B., Wilmington College  
Ohio
- Henderson, Handley Lamar  
Mississippi
- Herndon, Neal Norton  
Alabama
- Herrstrom, Charles Edwin  
S.B., Massachusetts Institute of  
Technology  
Massachusetts
- Heth, Eva Virginia  
A.B. and A.M., University of Vir-  
ginia  
District of Columbia
- Hicks, Frederick Thomas  
B.S. in E.E., University of North  
Dakota  
North Dakota
- Hobson, John Robert  
Maryland
- †Holt, Elmer Cornelius  
North Dakota
- Hood, Harold Burgess  
Indiana
- Hood, Wallace Nelson  
Pennsylvania

- Hopping, Louis M.  
Illinois
- †Hornbeck, Stanley Kuhl  
Ph.D., University of Wisconsin  
B.A., Denver University  
B. A., Oxford University (England)  
Wisconsin
- †Howrey, Edward Freeland  
Iowa
- \*Hubschman, Albert  
New Jersey
- Huff, Fannie Mae  
A.B. and A.M., Carson and Newman  
College  
Tennessee
- Hull, Charles Wealey  
A.B., Franklin and Marshall  
Pennsylvania
- \*Hundt, Lester Thomas  
A.B., College of the City of New  
York  
New Jersey
- Hutton, Lynn D.  
B.S. and M.S., South Dakota State  
College  
South Dakota
- \*Ihrig, George, Jr.  
Pennsylvania
- Inman, Harry Curlis  
Maryland
- Johnson, Mrs. Grace Dean  
B.S., New York University  
A.M., George Washington Univer-  
sity  
Ohio
- Johnston, Victor Angus  
North Dakota
- \*Kampe, Albert Henry  
B.S. in C.E., George Washington  
University  
Michigan
- Kar, Alvin Kenneth  
District of Columbia
- †Kaufman, Hyman Paul  
M.E., Brooklyn College of Engi-  
neering  
New York
- Kepler, Donald Muckler  
Iowa
- \*†King, Orr Rufus  
A.B., West Virginia University  
West Virginia
- Kinslow, G. Balis  
Kansas
- Klinge, Henry John  
District of Columbia
- Knight, Geoffrey  
B.S., Cornell University  
District of Columbia
- †Koch, George Schneider  
E.E., Lehigh University  
District of Columbia
- †Koerner, Edwin Otto  
B.S. in E.E., University of Wisconsin  
Wisconsin
- Koonce, Charles Carr  
District of Columbia
- †Kreek, Louis Francis  
Missouri
- Kris, Leo John  
A.B., University of Iowa  
Iowa
- Ladd, Daniel Milton  
North Dakota
- Laird, Ralph Eldon  
Iowa
- Lambert, Donald Greene  
A.B. and B.S., University of Maine  
Maine
- Lane, Russell Charles  
New York
- †Langerman, Albert  
Pennsylvania
- Langyber, Cecil Randolph  
District of Columbia
- \*LaRosa, Willard Edoin  
Illinois
- \*Lassagne, Theodore Hawley  
Illinois
- Lavender, Robert Alfred  
Graduate U. S. Naval Academy  
M.S., Harvard University  
District of Columbia
- Leatherwood, Reuben Francis  
Maryland
- Leiby, Laurence Reginald  
North Dakota
- Levaur, Henry Aaron  
New York
- \*Levy, Benjamin  
Virginia
- \*Lewis, Fulton, Jr.  
District of Columbia
- Lewis, James Taylor  
North Carolina
- Lewia, Ollie Lee  
A.B. and Sc.M., George Washington  
University  
Kentucky
- L'Heureux, Hervé Joseph  
New Hampshire
- Lichtman, Samuel  
District of Columbia
- Lindsay, Robert Dewey  
Tennessee
- Little, Leroy  
B.S. in Eng., University of Minne-  
sota  
Wisconsin
- †Loeb, Leopold Joshua  
District of Columbia
- Logan, Clarence Z.  
A.B., University of Oklahoma  
Texas
- Long, Lyman Lee  
A.B., Western Maryland College  
Maryland
- Lowrey, Vernon Booth  
A.B., Mississippi College  
Mississippi
- Luber, Harold Edgar  
District of Columbia
- Lyman, Albert  
Idaho
- Mack, Gordon Charles  
A.B. and M.S., University of Michi-  
gan  
Illinois
- Mackall, William Whann  
B.S., University of Virginia  
Georgia
- Mallett, Emery Longfellow  
A.B., Bowdoin College  
Maine
- †Malloy, Mercedes Monica  
New York
- Mann, William Taylor  
Alabama



- Marchetti, Randolph Orville  
District of Columbia  
†Marmelstein, Nathan  
B.S. in Chem. Eng., Case School of  
Applied Science  
Ohio  
Marshall, Jaquelin Ambler  
District of Columbia  
Mathews, Hugh Togo  
Maryland  
Mattingly, Harold Webster  
District of Columbia  
Maw, Carlyle Elwood  
Utah  
Mendez, Angel M.  
Porto Rico  
Merriek, Harold E.  
Iowa  
Merriek, Wayne  
Iowa  
Michot, Annie Eugenie  
Texas  
Miller, Ammon Lee  
Ph.B., Dickinson College  
Pennsylvania  
†Miller, Helen Willett  
A.B., University of Michigan  
Michigan  
Moeller, Otto  
New York  
†Moore, Alvin Edward  
Louisiana  
Moore, Clarence William  
A.B., George Washington University  
District of Columbia  
Moore, Clifton Leonard  
A.B., University of North Carolina  
North Carolina  
Moore, Theodore Roosevelt  
Oklahoma  
\*Moorhead, Ruth  
B.S., Simmons College  
Pennsylvania  
Morrison, Joe Wood  
A.B., University of Michigan  
District of Columbia  
Morrison, Phoebe  
A.B., Vassar College  
Maryland  
Mote, Donald R.  
A.B., Wabash College  
Indiana  
Muir, Joseph Johnstone  
District of Columbia  
Munday, Samuel Arthur  
North Carolina  
†Muskoﬀ, John William  
Ohio  
Myers, Walter Claude  
District of Columbia  
†McCormack, Dwight Lynn  
Illinois  
McCoy, Harold Dasher  
Wisconsin  
McGregor, Thomas Henry, Jr.  
Louisiana  
†McKee, John Wilbert Clark  
Pennsylvania  
\*McKinley, Henry S.  
West Virginia  
Nacrelli, Joseph Anthony  
Pennsylvania  
Nebecker, Franklin Knowlton  
District of Columbia  
Nelson, Clarence James  
Iowa  
†Neville, George Waddell  
A.B., University of the South  
Mississippi  
Newby, Richard Ardell  
B.S., Princeton University  
District of Columbia  
Newby, Robert Eugene  
District of Columbia  
†Newman, Hobart  
District of Columbia  
†Nicholson, John Reed, Jr.  
B.S. in E.E., University of Delaware  
Delaware  
\*Nilson, Ralph Gilbert  
Massachusetts  
Nixon, Otis Edwin  
Oklahoma  
Nordstrom, Arthur Hugo  
District of Columbia  
Nordstrom, Gertrude Hunter  
District of Columbia  
Nichols, May C.  
B.A., Maryville College  
Tennessee  
†O'Hanrahan, Edmond Constantine  
B.S. in Eng., University of Minne-  
sota  
Minnesota  
Ohlander, Lyle Wayne  
District of Columbia  
Palmer, James Charles  
District of Columbia  
Palomar, Gaudioso Penafior  
A.B., George Washington University  
Philippine Islands  
Parker, Clarence LeRoy, Jr.  
A.B., Princeton University  
District of Columbia  
Paulson, Eli Martinus  
District of Columbia  
Payne, Donald E.  
B.S. in Ch. E., University of Idaho  
District of Columbia  
†Pepin, Arthur, Jr.  
Georgia  
Perry, Hugh Marlin  
Virginia  
Peter, Edward  
Maryland  
Peterson, Lucie Frances  
Washington  
Peterson, Robert Dupree  
Texas  
Phillips, Paul Maurice  
B.S. and M.S., Massachusetts Insti-  
tute of Technology  
Massachusetts  
Porterfield, Roy Albert  
B.S., M.S., C.E., University of  
Kansas  
Missouri  
Posey, Marion Winfield  
B.A., University of Maryland  
Maryland  
Posner, Adolph  
B.S., Columbia University  
Connecticut  
Powell, Thomas Earle  
Alabama  
Power, Harry Harrison  
Washington

- \*Putnam, Joseph Clifford  
Illinois  
Quarton, William Barlow, Jr.  
Iowa  
Rabinavicius, Henrikas  
Lithuania  
Randolph, Charles M.  
Connecticut  
Ray, Christopher A.  
Rhode Island  
Reagle, Hilda Ruth  
District of Columbia  
Redinger, Carl Chalmers  
A.B., George Washington University  
West Virginia  
†Redstone, Henry Arthur  
B.C.S., New York University  
New York  
Reed, Albert C.  
B.S., University of Delaware  
District of Columbia  
\*Resh, Franklin Senator  
Virginia  
Rice, Claude Alvin  
Illinois  
\*Roach, Jessie Dean  
A.B., George Washington University  
Illinois  
Robertson, John Reynolds  
District of Columbia  
Rosenberg, Israel Harry  
B.S., Harvard University  
District of Columbia  
†Ross, Maurice  
Wisconsin  
Rudolph, Genevieve Marie  
Wisconsin  
Russell, Ernest  
A.B., Emory and Henry College  
Virginia  
†Ryons, Joseph Leslie  
B.Sc. in Business Administration  
University of Nebraska  
Nebraska  
\*Sachs, George Leonard  
B.S. in Eng., University of Missouri  
New Jersey  
Safford, Truman Sunderland  
B.A., Antioch College  
Michigan  
Sammone, Charles McKinley  
District of Columbia  
†Sandberg, Enos  
Utah  
Sanderson, Jesse Ormand  
A.B., Trinity College  
North Carolina  
Schindler, Julius Eli  
Maryland  
†Seibert, Thomas Hopkins  
District of Columbia  
Sewell, Norris Cader  
Oregon  
Seymour, John Lawrence  
B.S. in Ch. Eng., University of Maine  
New York  
Sharita, Rupert Othello  
A.B., Emory and Henry College  
Virginia  
\*Shaw, Margaret  
District of Columbia  
Sherwood, Cameron  
A.B., Whitman College  
District of Columbia  
†Shreve, Charles Everett  
District of Columbia  
Shreve, Richard Southerne, Jr.  
B.S. in M.E., George Washington University  
Virginia  
Sibbe, Carl Frederick  
B.S., University of Wisconsin  
Wisconsin  
Silverman, Joseph Melvin  
District of Columbia  
\*Simmons, John Howland  
B.S. in E.E., Georgia Institute of Technology  
Florida  
†Simonds, Robert McClellan  
B.S., Massachusetts Institute of Technology  
District of Columbia  
Simpson, Vivian Virginia  
A.B., George Washington University  
District of Columbia  
Sits, Walter Hoersch  
Graduate U. S. Naval Academy  
M.S., Massachusetts Institute of Technology  
Iowa  
Slattery, John Thomas  
Massachusetts  
†Slavik, Walter Mark  
District of Columbia  
†Smallwood, Graeme Thomas  
District of Columbia  
Smith, Paul Russell  
Oklahoma  
Smith, Sam B.  
New York  
Smith, William Parkhurst  
A.B., University of Michigan  
Michigan  
†Snodgrass, Kennia Ketterer  
West Virginia  
Sosa, Eduardo Manuel  
Panama  
Souther, George Harold  
Massachusetts  
Spaulding, Augusta de Laguna  
A.B. and A.M., University of California  
District of Columbia  
Spector, Saul Edward  
B.S. in Ch., University of Pennsylvania  
Pennsylvania  
Sprinkle, Jesse Franklin  
Montana  
Sprinkle, Marie  
Montana  
Steely, Eugene Newton  
A.B., University of Kentucky  
Kentucky  
†Stephens, Chase Gayle  
Arkansas  
Stewart, Isaac Milton  
California  
\*Stewart, Paul William  
B.S. in Economics, University of Pittsburgh  
Pennsylvania  
Stinson, Marjorie Claire  
Texas  
Stoutenburgh, Paul Crosser  
A.B., Johns Hopkins University  
District of Columbia  
Stover, Lee Roy  
South Dakota



- Swecker, John Preston  
Virginia
- Symons, Arthur  
A.B., George Washington University  
Michigan
- Teu, Sanford Brodyne  
A.B., University of North Carolina  
North Carolina
- Thaxton, Robert Calvin  
B.S., A. & M. College of Texas  
Texas
- \*†Thomas, Cyrus Douglas  
North Dakota
- \*Thomas, Donn Birekhead  
District of Columbia
- †Thompson, Henry Walker  
Delaware
- Thompson, James David  
M.A., Cambridge University  
B.Sc., Manchester  
B.Sc., London  
District of Columbia
- \*Tighe, Bernard Emmett  
A.B., Georgetown College  
District of Columbia
- †Tillema, John Albert  
A.B., Hope College  
A.M., University of Michigan  
District of Columbia
- Tilton, Harry B.  
Kentucky
- Tolson, Clyde Anderson  
Iowa
- \*Tolson, Hillory Alfred  
A.B., George Washington University  
Iowa
- †Torrey, Morgan Caywood  
District of Columbia
- Townsend, Clinton Blake  
A.B., Harvard College  
New York
- Trimbel, Gerald Roark  
District of Columbia
- \*Tyler, Harry Franklin  
District of Columbia
- †Untiedt, Frederick Henry  
S.B. and S.M., Massachusetts Institute of Technology  
New Jersey
- \*Unger, Carl Harry  
Pennsylvania
- Upham, Cyril Bryce  
A.B., Morningside College  
A.M. and Ph.D., State University of Iowa  
Iowa
- Van Burgh, Lisle Reed  
E.M., Colorado School of Mines  
Colorado
- Van Cott, Ray, Jr.  
Utah
- Vernon, Maurice Franklin  
District of Columbia
- Vorck, Charles Raben  
E.M., Colorado School of Mines  
Colorado
- †Wagner, Winfield Frederic  
Wyoming
- \*Walker, Albert Wilson  
District of Columbia
- \*Walker, Charles Lewis  
District of Columbia
- Walker, David Henry  
District of Columbia
- Walters, Allyn Andrews  
New York
- \*Ward, Emma France  
A.B., Goucher College  
Maryland
- Warren, Thomas Lafayette  
A.B., University of North Carolina  
North Carolina
- †Wasmuth, Karl Edward  
New York
- Weatherford, James Knox, Jr.  
B.S., Oregon State Agricultural College  
Oregon
- †Wefald, Magnus  
A.B., St. Olaf College  
Minnesota
- †Weigel, Thomas Blaine  
Pennsylvania
- \*Welch, Paul Eugene  
A.B., Princeton University  
Pennsylvania
- Wells, Greek  
B.S. in E.E., University of Idaho  
Idaho
- Wemple, Edwin Copley  
District of Columbia
- Whalen, James Joseph  
Pennsylvania
- \*Wharton, Nathaniel Phillip  
S.B. in Ch.E., Massachusetts Institute of Technology  
Massachusetts
- Whitney, Byrle Albert  
B.A., University of Iowa  
Iowa
- Whitson, William Warren  
District of Columbia
- Wiley, Harold Brainerd  
District of Columbia
- Williams, Milton L.  
District of Columbia
- Williams, Mary McDonald  
District of Columbia
- Wilson, Alec Charles  
District of Columbia
- Winn, Robert Hilary  
District of Columbia
- Woodall, John Oscar  
Virginia
- Woodard, Harry Stott  
A.B., Amherst College  
District of Columbia
- Woodruff, George Lynn  
Graduate U. S. Naval Academy  
District of Columbia
- \*Wright, Carroll  
Virginia
- Wright, Frederick Holmes  
California
- \*Wrightson, James Owens, Jr.  
B.A., Dickinson College  
District of Columbia
- \*Yagoda, Louis  
New York City
- Yokoyama, Harry Joseph  
Virginia
- Young, Arthur Nichols  
A.B., Occidental College  
A.M. and Ph.D., Princeton University  
New Jersey
- Youngman, Frederick Ewin  
Wyoming
- †Zucker, Milton  
B.S., Case School of Applied Science  
Ohio

## SECOND YEAR STUDENTS

- Adams, Quiney Dalton  
A.B., University of Arkansas  
Arkansas
- Adcock, William F.  
Kentucky
- Akers, Richard Harold  
B.S., University of Virginia  
B.C.S., New York University  
Maryland
- Allen, Edgar Poe  
Pennsylvania
- Allen, Walter Rudolph  
New York
- \*Anadale, George Arthur  
District of Columbia
- Anderson, Roy Percy  
B.S., University of Wisconsin  
Wisconsin
- Aten, Ralph S.  
District of Columbia
- Barnes, Murray Hamilton  
Kansas
- Barney, Ralph Andrew  
Oklahoma
- Bartl, Forest Florian  
Indiana
- Beale, Edward Belknap  
C.E., Lehigh University  
District of Columbia
- Bestie, Wilford Douglas  
Utah
- Bender, Ernest Gustavus  
Indiana
- Berkowitz, Louis  
B.S. in Ch. E., University of Penn-  
sylvania  
Delaware
- Birka, John Gouge  
A.B., James Milliken University  
Illinois
- Blackahear, Paul David  
Georgia
- Bolin, John Wise  
Ohio
- Bolton-Smith, Carlile  
Tennessee
- Bonebrake, George Daniel  
Ohio
- Braden, Edward Fleming  
Illinois
- Brandenburg, Stanley Crook  
Colorado
- Brinkloy, Milo Hamilton  
B.S.C.E. and C.E., University of  
Missouri  
California
- Brooks, Benjamin Joshua  
District of Columbia
- Brown, Ammi  
A.B. and A.M., Harvard University  
District of Columbia
- Brown, Francis Willis  
A.B., George Washington University  
District of Columbia
- Bryant, Sarah Catherine  
Kentucky
- Burden, James Robert  
Indiana
- Burns, James Edward  
District of Columbia
- \*Byington, Irwin Cecil  
District of Columbia
- Byington, Moses Brownlow  
Graduate U. S. Naval Academy  
Tennessee
- Cade, James Otho  
A.B., Daniel Baker College  
Texas
- Cannon, David Woodward  
A.B., University of Utah  
Utah
- \*Carson, William Joseph  
B.S., University of Georgia  
M.A., Columbia University  
Georgia
- Chapman, Ralph  
Texas
- Cherry, Alfred K.  
Utah
- Chesnut, Peter Vincent  
New Jersey
- Churbuck, Percy Forrest  
Massachusetts
- Clark, Milford Harrison  
District of Columbia
- Clegg, Hugh H.  
A.B., Milsaps College  
Mississippi
- \*Clough, Cecil Edward  
New Hampshire
- Cochrane, James Alexander, Jr.  
A.B., Swarthmore College  
Pennsylvania
- Colvin, Paul Ariel  
Virginia
- Conlyn, Margaret  
District of Columbia
- Connor, Margaret Alice  
Massachusetts
- Coon, Ernest Edwin  
West Virginia
- Curbin, Bartley Hampton  
Alabama
- \*Cordrey, Russell Albert  
B.S., Case School of Applied Science  
Ohio
- Coster, Allen Randall  
Nebraska
- Crandall, Marie Frances  
New York
- Darling, Carl Egbert  
New York
- Dart, Francis Clements  
A.B., University of Georgia  
Georgia
- Daue, Edwin Oliver  
B.S. and E.M., Michigan College of  
Mining  
Pennsylvania
- Davis, James Cox, Jr.  
Iowa
- DeFeo, John Donald  
Connecticut
- Diek, Robert William  
District of Columbia
- \*Dickson, George Graham  
A.B., University of North Carolina  
North Carolina
- Dillaway, Robert Gardiner  
A.B., University of Michigan  
District of Columbia
- Douden, William L.  
New York



- \*Downs, Donald  
A.B., Princeton University  
District of Columbia
- Eaker, Ira C.  
District of Columbia
- \*Eaton, Harry  
B.S., Cornell University  
District of Columbia
- Eaton, Paul Worthley  
District of Columbia
- Edwards, Frances Elizabeth  
Idaho
- Ellsworth, German Smith  
Utah
- Ely, Robert Burroughs  
A.B., Emory and Henry College  
Virginia
- Faulkner, Robert Nelson  
California
- Felix, Martha Lillian  
Pennsylvania
- Fowler, Ralph Starr  
District of Columbia
- \*Frank, Abner  
District of Columbia
- \*Freer, Gorham Fulton  
District of Columbia
- Gardner, Allen Howard  
Pennsylvania
- Goldstein, Bernard  
District of Columbia
- Goley, Lawrence L.  
Illinois
- Gordon, Howard Throop  
Iowa
- Grubbs, Paul Douglas  
District of Columbia
- Gustafson, Olof Alfred  
Connecticut
- Hagan, Jonathan Foster  
A.B., George Washington University  
Virginia
- \*Hankal, Leonidas Newton  
B.A., University of Tennessee  
Tennessee
- Hansen, Arnold Clement  
New Jersey
- Hanson, Vern Leslie  
Minnesota
- Harris, Howard Dodds  
Ohio
- Hart, Willard Lanning  
B.S., Clemson Agricultural College  
Ohio
- Hartford, Homer Myron  
B.S. in E.E., Pennsylvania State  
College  
Pennsylvania
- Hastings, George Sands  
A.B., George Washington University  
District of Columbia
- \*Hedgecock, Leland Stanford  
B.A., University of Tennessee  
Tennessee
- Helferich, Elmer Runyan  
B.S. in M.E., University of Michigan  
Michigan
- \*Henry, Albert R.  
B.S., Rensselaer Polytechnic Insti-  
tute  
New Jersey
- Henry, Ernest Fulton  
District of Columbia
- Hirschman, Joseph  
B.S. in Ch.E., Carnegie Institute of  
Technology  
Pennsylvania
- Hobbs, Haviland  
District of Columbia
- Holmes, Clay Clinton  
New York
- Hooper, Leon Noel  
South Dakota
- Hoover, Wallace Beattie  
District of Columbia
- †Hughes, Donald Dodd  
B.Sc., Ohio State University  
Ohio
- Hull, John Sommers  
Ohio
- Hume, James Pickrell  
District of Columbia
- Hummer, Aubrey Eugene  
A.B., George Washington University  
District of Columbia
- \*Huss, Willard Louis  
A.B., University of Michigan  
Michigan
- Hyde, George Osmond  
Idaho
- Imus, Aldon Elon  
Missouri
- Ingels, Nelle Louise  
Ph.B., Greenville College  
A.M., University of Illinois  
Illinois
- †Jewkes, Ruel Reid  
Utah
- Johnson, Lester Wylie  
A.B., George Washington University  
Illinois
- Johnson, Lewis Harry Clemmer  
California
- Johnston, Dorothy Beard  
California
- \*Jones, Clarence Maupin  
West Virginia
- Kahn, Robert Leon  
S.B., Harvard College  
New Hampshire
- Kimball, Herbert Cowling  
A.B., Dartmouth College  
Illinois
- King, Olive Virginia  
District of Columbia
- Kippia, Samuel William  
District of Columbia
- Kirsch, William Ulysses  
B.C.S., New York University  
District of Columbia
- Kline, John Reed  
B.S. in Agriculture, University of  
Missouri  
Missouri
- Knauss, Harrison Edward  
Graduate U. S. Naval Academy  
District of Columbia
- Kossow, Max  
District of Columbia
- \*Kroll, William McKinley  
District of Columbia
- Lesley, William Albert  
North Carolina
- Latimore, Thomas Calloway  
Graduate U. S. Naval Academy  
District of Columbia

- Lattin, Clarence Lorenzo  
 Ph.B., Sheffield Scientific School,  
 Yale University  
 Connecticut  
 Lawrence, Thomas Linwood  
 District of Columbia  
 Levinson, Joseph  
 District of Columbia  
 Lewis, Orme  
 Arizona  
 \*Lindholm, George Victor  
 New Jersey  
 Lisansky, Isaac  
 B.S. in C.E., University of Pennsyl-  
 vania  
 Pennsylvania  
 Littlepage, John Marshall  
 Maryland  
 Locke, Howard Palmer, Jr.  
 North Carolina  
 Logan, Arthur Gerald  
 New Jersey  
 Lorch, George Herman  
 District of Columbia  
 Lounsbury, Frederick William  
 Colorado  
 Lovering, George Varnum  
 Massachusetts  
 Lucha, Bert Maurice  
 District of Columbia  
 †Mackey, Richard  
 B.Sc., University of Nebraska  
 Nebraska  
 Maddox, James Carrington, Jr.  
 District of Columbia  
 Mahoney, Eldred N.  
 Iowa  
 Malone, Joseph Thomas  
 Iowa  
 Marks, Frank Henry  
 B.S. and M.S., George Washington  
 University  
 District of Columbia  
 Marquis, Ronald Nyman  
 Oklahoma  
 Maseman, Edward, Jr.  
 A.B., Hanover College  
 Indiana  
 Mayo, Daniel Ira  
 B.G.E., Ohio State University  
 Pennsylvania  
 Merritt, Ella Arvilla  
 A.B. and M.A., George Washington  
 University  
 District of Columbia  
 Merry, Henry Herbert, Jr.  
 A.B., Bowdoin College  
 Maine  
 Miller, Ira Palmer  
 Pennsylvania  
 Mitchell, Wade Hampton  
 District of Columbia  
 Moncure, Jack Ashby  
 Virginia  
 Moore, Jack Rosser  
 West Virginia  
 Morse, Merton David  
 B.S. in E.E., Union College  
 New York  
 Mount, Thomas Keener  
 Maryland  
 McBride, Wallace William  
 Idaho
- McCrorken, Eugene Paul  
 E.M., Columbia University  
 New York  
 McGraw, Willard Graves  
 Maryland  
 McKinley, William Stuart  
 West Virginia  
 McKnight, Robert Bruce  
 Utah  
 McLaughlin, Margaret  
 B.A., Wellesley College  
 District of Columbia  
 McManamy, Carl Dewey  
 B.S. in M.E., George Washington  
 University  
 Michigan  
 Neil, Hubert Frederick  
 New York  
 Newton, Hazel Mae  
 Massachusetts  
 Nichols, Ralph LeRoy  
 Minnesota  
 O'Keefe, Charles James  
 Massachusetts  
 \*Osmond, Alfred Wendell  
 Utah  
 †Patterson, Homer Scott  
 Georgia  
 Phelps, Henry Lovings  
 Graduate U. S. Naval Academy  
 New York  
 Philbrook, Ralph Alger  
 District of Columbia  
 Pittenger, Horace Biddle  
 New Jersey  
 Porter, George Bontin  
 A.B., University of Iowa  
 Iowa  
 Prettyman, Charles Wesley  
 District of Columbia  
 Price, Harry  
 B.S. in Ch.Eng., University of Penn-  
 sylvania  
 Pennsylvania  
 Priest, Roy Rife  
 Texas  
 \*Redfield, Alden Dallas  
 New Jersey  
 Reid, Sydney  
 Utah  
 Reynolds, Edwin Louis  
 C.E., Lehigh University  
 Maryland  
 \*Reynolds, John Bernard  
 Minnesota  
 Riddle, Jesse Hale  
 A.B., Davis and Elkins College  
 A.M., Princeton University  
 Virginia  
 Rivise, Charles Weyman  
 B.S. in Chem. Eng., University of  
 Pennsylvania  
 Pennsylvania  
 Robert, Arthur Fortney  
 B.S. in E.E., Pittsburgh University  
 Pennsylvania  
 Robinson, Carl Webster  
 B.S., Colby College  
 New Hampshire  
 Rose, John  
 Illinois  
 Rosenberg, Louis  
 District of Columbia



- Roseman, Joseph  
     B.S. in Ch. E., University of Penn-  
     sylvania  
     Pennsylvania  
 Ruth, Grace Mae  
     Delaware  
 Sbarbaro, John George  
     B.S., Columbia University  
     New Jersey  
 Scarborough, Walter Boyd  
     Texas  
 Schottler, George Jesse  
     B.S. in E.E., University of Minne-  
     sota  
     Minnesota  
 Schwalm, Harry Reilly  
     Pennsylvania  
 Schwartz, Marion E.  
     Pennsylvania  
 Seay, Temple Wayne  
     District of Columbia  
 Sebre, Margaret Tyrne  
     A.B., State University of Kentucky  
     District of Columbia  
 Shepard, Philip Willard  
     B.S. in Ch. Eng., Catholic University  
     of America  
     M.S., University of Michigan  
     Nebraska  
 Simonton, Theodore Eames  
     New York  
 Smith, Ardis Adela  
     Iowa  
 Smith, Howard Jerome  
     District of Columbia  
 Smith, Victor Lee  
     Vermont  
 Somervell, Howard  
     District of Columbia  
 Stewart, Thomas Franklin  
     B.S. in C.E., George Washington  
     University  
     District of Columbia  
 Taylor, Walter Hubbard  
     District of Columbia  
 Tepper, Nolan Harris  
     District of Columbia  
 Thrasher, Mildred Marie  
     Michigan  
 Tolman, George Edmunds  
     New York  
 Treadway, William Eugene  
     A.B., Indiana University  
     Indiana  
 Triebel, Nelson Eugene  
     Ph.B., Dickinson College  
     Pennsylvania  
 Trimble, John Thomas, Jr.  
     Georgia  
 Truscott, Hazel Roberta  
     District of Columbia  
 Updike, Edward Lafayette  
     Virginia  
 Vaccaro, Mary Josephine  
     District of Columbia  
 \*Vaux, Charlotte Ann  
     Virginia
- Wagner, Edward Burnax  
     New York  
 Walker, Carl Milton  
     South Dakota  
 Walker, Ralph Linwood  
     District of Columbia  
 Wallace, Fred William  
     Oklahoma  
 †Wallace, Lawrence Allison  
     B.A., University of Idaho  
     Idaho  
 Wallace, Lewis Joseph  
     Utah  
 Wallace, Victor Allison  
     Utah  
 Wallerstedt, Hjalmar Aul  
     Kansas  
 Walsh, William Edward  
     Rhode Island  
 Walton, Leon Charles  
     B.A., University of Utah  
     Utah  
 Wardwell, Sidney L.  
     North Dakota  
 Warren, Earle Lester  
     District of Columbia  
 Waterman, Sterry Robinson  
     A.B., Dartmouth College  
     Vermont  
 Welliver, Edward Morrison  
     Maryland  
 Wendt, Robert H.  
     B.S. in E.E., George Washington  
     University  
     Iowa  
 White, Maude Ellen  
     Ohio  
 Wilkinson, Ernest Leroy  
     A.B., Brigham Young University  
     Utah  
 Wilson, Riley Joe, Jr.  
     Louisiana  
 Wilson, Robert Clarence  
     North Carolina  
 Wolfe, Samuel  
     B.S.C. in Ch.E., University of Penn-  
     sylvania  
     Pennsylvania  
 Woodward, N. Faye  
     Kansas  
 Wrenn, John Edwin  
     Pennsylvania  
 Wupper, Benjamin Franklin  
     B.S. in M.E., University of Wis-  
     consin  
     Wisconsin  
 Yates, Dwight Randolph  
     West Virginia  
 \*Young, William Crawford  
     Ohio  
 Yung-Kwai, Burnham  
     A.B., Yale College  
     District of Columbia  
 Zabel, Oscar Alvin  
     Washington  
 Zimmerman, Carl Dressler  
     Utah

## THIRD YEAR STUDENTS

- \*Abraham, Herbert  
Oklahoma
- Aitkens, Irene Clara  
Louisiana
- Allen, Hartford  
Ohio
- \*Ames, Norman Bruce  
S.B. in E.E., Mississippi Agricultural and Mechanical College  
B.S. in E.E., George Washington University  
S.B. in E.E., Massachusetts Institute of Technology  
S.B. in E.E., Harvard University  
District of Columbia
- Angevine, Eugene  
Ph.C., University of Montana  
Montana
- Atkins, Craig Starbuck  
District of Columbia
- Austin, W. Leo  
Texas
- Babbington, Thomas A.  
District of Columbia
- Babcock, George Woodman  
District of Columbia
- Barnes, Lewis Horatio  
Texas
- Basham, Gus Orell  
Kentucky
- \*Batson, Royal Alonzo  
South Dakota
- Baum, W. Carter  
District of Columbia
- \*Bauman, Walter Michael  
Nebraska
- Beall, Hester Walker  
District of Columbia
- Beall, Thomas Emmert  
District of Columbia
- Becker, Wade Montague  
Pennsylvania
- \*Behne, Tom Darl  
A.B., George Washington University  
Oklahoma
- \*Bell, Alexander Hamilton, Jr.  
District of Columbia
- Bennett, James VanB.  
A.B., Brown University  
Rhode Island
- Benson, Russell Bernard  
Maryland
- Berryman, Wheeler Kirk  
Kentucky
- Blinder, Maxwell Elliott  
A.B., University of Missouri  
New York
- Bond, S. Hasen II  
Illinois
- Booth, Alfred Walter  
C.E., Princeton University  
District of Columbia
- Bowen, James Warfield  
District of Columbia
- Bowling, Joseph Raphael  
B. of E., Tulane University  
Louisiana
- Boyden, Roger Talbot  
B.S. in C.E., George Washington University  
Massachusetts
- Bradford, John Leo  
A.B., Park College  
District of Columbia
- Bradley, Fontaine Cosby  
District of Columbia
- Breidenbach, Samuel Heavrin  
Kentucky
- Bresnahan, John Alfred  
District of Columbia
- Brooker, Edwin  
District of Columbia
- Brookfield, John William, Jr.  
Virginia
- Bross, Charles Milborne  
Michigan
- Bruce, Robert Manydier  
B.S. in M.E., California Institute of Technology  
California
- Brumbaugh, Granville Martin  
District of Columbia
- Buchanan, Douglas Riley  
B.S., Massachusetts Institute of Technology  
Massachusetts
- Buckner, Robert William  
A.B., Fairmont College  
Kansas
- Camp, Carver Ingham  
Pennsylvania
- Camp, Genevieve Jemall  
District of Columbia
- Carpenter, Irvin Watson  
District of Columbia
- Carroll, Mitchell Benedict  
A.B. Johns Hopkins University  
District of Columbia
- Clore, Edward  
Indiana
- Colflesh, Robert William  
A.B., George Washington University  
Iowa
- \*Cohen, Carl Manuel  
S.B., Massachusetts Institute of Technology  
District of Columbia
- Collier, Pearle Hensley  
District of Columbia
- Connor, Mary Gertrude  
Maine
- \*Cruce, William V.  
Oklahoma
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Minnesota
- Darby, Roi T.  
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District of Columbia
- Davis, Marshall Dean  
Georgia
- DeNunsio, Frank  
District of Columbia
- Deveney, Norman Alfred  
Pennsylvania
- Diggs, Isaac Watlington  
A.B., University of Richmond  
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 Pennsylvania  
 Dishmon, Lyman Haskell  
 Tennessee  
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 A.B. and A.M., Princeton University  
 New York  
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 B.S. in E.E., Purdue University  
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 Florida  
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 B.M.E., Ohio State University  
 Ohio  
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 Kentucky  
 Fletcher, Louis Dubois, Jr.  
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 New York  
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 Furniss, Robert Melnotte  
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 Indiana  
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 B.S., Pennsylvania State College  
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 Virginia  
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 Oklahoma  
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## UNCLASSIFIED STUDENTS

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Maryland	

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Candidates for degree of Bachelor of Laws:	
First year .....	401
Second year .....	232
Third year .....	264
Total .....	897
Candidates for degree of Master of Laws.....	75
Total .....	972
Counted twice .....	6
Total candidates for degrees.....	966
Special students .....	83
Unclassified students .....	35
Total all students.....	1,084
Candidates for degrees who are college graduates.....	337
Percentage .....	34.8



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Arizona .....	1	North Carolina .....	23
Arkansas .....	7	North Dakota .....	10
California .....	13	Ohio .....	36
Colorado .....	6	Oklahoma .....	17
Connecticut .....	9	Oregon .....	2
Delaware .....	6	Pennsylvania .....	71
District of Columbia .....	292	Rhode Island .....	4
Florida .....	5	South Carolina .....	5
Georgia .....	15	South Dakota .....	7
Idaho .....	7	Tennessee .....	17
Illinois .....	33	Texas .....	22
Indiana .....	20	Utah .....	30
Iowa .....	35	Vermont .....	6
Kansas .....	12	Virginia .....	52
Kentucky .....	21	Washington .....	6
Louisiana .....	7	West Virginia .....	19
Maine .....	7	Wisconsin .....	15
Maryland .....	51	Wyoming .....	2
Massachusetts .....	28		
Michigan .....	16	China .....	1
Minnesota .....	12	Czechoslovakia .....	1
Mississippi .....	7	Lithuania .....	1
Missouri .....	12	Panama .....	1
Montana .....	4	Philippine Islands .....	4
Nebraska .....	6	Porto Rico .....	2
New Hampshire .....	5	Roumania .....	2
New Jersey .....	22	Siam .....	1

## COLLEGES REPRESENTED BY GRADUATES

Alabama, University of .....	1	Case School of Applied Science .....	3
American University .....	1	Catholic University of America .....	1
Amherst College .....	1	Chicago, University of .....	2
A. and M. College of Texas .....	1	Citadel, The .....	1
Antioch College .....	1	Clemson Agricultural College .....	2
Arkansas, University of .....	2	Colby College .....	2
Baylor University .....	1	Colorado School of Mines .....	2
Bethany College .....	1	Columbia University .....	7
Bowdoin College .....	2	Cornell University .....	7
Brigham Young University .....	1	Daniel Baker College .....	2
Brooklyn College of Engineering .....	1	Dartmouth College .....	3
Brooklyn Polytechnic Institute .....	1	Davis and Elkins College .....	2
Brown University .....	2	Dayton, University of .....	1
California Institute of Technology .....	2	Delaware, University of .....	3
California, University of .....	6	Denver, University of .....	1
Cambridge University (Eng.) .....	1	Dickinson College .....	5
Carnegie Institute of Technology .....	3	Emory and Henry College .....	4
Carson and Newman College .....	1	Fairmount College .....	1
		Franklin and Marshall College .....	1
		Furman University .....	1

Georgia, University of.....	3	Oregon State Agricultural Col- lege .....	1
Georgia Institute of Technology .....	1	Oxford University (Eng.).....	1
Georgetown University .....	2	Park College .....	1
George Washington University 44		Pennsylvania State College.....	3
Gettysburg College .....	1	Pennsylvania, University of.....	13
Goucher College .....	2	Phillips University .....	1
Greenville College (Ill.) .....	1	Pittsburgh, University of.....	2
Hanover College .....	1	Princeton University .....	12
Harvard University .....	7	Purdue University .....	1
Hope College .....	1	Rensselaer Polytechnic Institute	3
Idaho, University of.....	3	Richmond, University of.....	2
Illinois College .....	1	St. John's College .....	1
Illinois, University of.....	1	St. Olaf's College.....	1
Indiana University .....	2	Smith College .....	1
Iowa State College (Ames, Ia.)	1	South, University of the.....	1
Iowa, University of.....	5	Simmons College .....	1
James Milliken University.....	2	South Dakota State College.....	1
Johns Hopkins University.....	4	South Dakota, University of.....	1
Kansas, University of.....	2	Stevens Institute of Technology	1
Kentucky, State University of...	3	Swarthmore College .....	1
Knox College .....	1	Syracuse University .....	6
Lehigh University .....	6	Tennessee, University of.....	2
Lenoir College .....	2	Texas, University of.....	1
London, University of (Eng.)...	2	Trinity College (N. C.).....	2
Maine, University of.....	4	Tufts College .....	1
Manchester, University of (Eng.) .....	1	Tulane University .....	1
Maryland, University of.....	4	Union College .....	1
Maryville College .....	1	Utah, University of.....	2
Massachusetts Institute of Tech- nology .....	12	Utah Agricultural College.....	1
Miami University .....	1	U. S. Military Academy.....	1
Michigan, University of.....	11	U. S. Naval Academy.....	15
Michigan College of Mines.....	1	Vassar College .....	2
Middlebury College .....	1	Virginia Military Institute.....	1
Millsaps College .....	1	Virginia, University of.....	3
Minnesota, University of.....	5	Virginia Polytechnic Institute...	1
Mississippi A. and M. College..	1	Wabash College .....	1
Mississippi College .....	1	Wellesley College .....	3
Missouri, University of.....	4	Wesleyan University .....	2
Montana University .....	1	Western Maryland College.....	2
Morningside College .....	1	West Virginia University.....	2
Mount Union College .....	1	Whitman College .....	1
Nebraska, University of .....	2	Wilmington College .....	1
New York, College of the City of .....	3	Wisconsin, University of.....	6
New York University.....	4	Woman's College (Richmond, Va.) .....	1
North Carolina, University of...	8	Worcester Polytechnic Institute	2
North Dakota, University of....	2	Yale University .....	5
Northwestern University .....	1		
Norwich University .....	1	Total .....	375
Occidental College .....	1	Counted more than once.....	21
Ohio State University.....	6		
Oklahoma, University of.....	3	Number of college graduates....	354
		Number of colleges represented..	135



# GEOGRAPHICAL DISTRIBUTION OF STUDENTS IN THE UNIVERSITY

Alabama .....	31	Tennessee .....	48
Arizona .....	2	Texas .....	66
Arkansas .....	24	Utah .....	54
California .....	39	Vermont .....	16
Colorado .....	21	Virginia .....	348
Connecticut .....	49	Washington .....	16
Delaware .....	12	West Virginia .....	60
Florida .....	15	Wisconsin .....	39
Georgia .....	42	Wyoming .....	7
Idaho .....	19	District of Columbia .....	2,715
Illinois .....	109	Canada .....	2
Indiana .....	68	China .....	6
Iowa .....	92	Cuba .....	1
Kansas .....	46	Czechoslovakia .....	1
Kentucky .....	52	Denmark .....	1
Louisiana .....	16	England .....	4
Maine .....	27	Egypt .....	5
Maryland .....	307	Finland .....	1
Massachusetts .....	85	France .....	1
Michigan .....	55	Germany .....	2
Minnesota .....	54	Greece .....	2
Mississippi .....	39	Holland .....	1
Missouri .....	58	Ireland .....	2
Montana .....	14	Italy .....	3
Nebraska .....	25	Jaffa .....	1
Nevada .....	3	Japan .....	3
New Hampshire .....	16	Lithuania .....	1
New Jersey .....	91	Nova Scotia .....	2
New Mexico .....	9	Panama .....	3
New York .....	278	Porto Rico .....	18
North Carolina .....	60	Philippine Islands .....	19
North Dakota .....	19	Poland .....	1
Ohio .....	122	Roumania .....	2
Oklahoma .....	42	Russia .....	3
Oregon .....	6	Siam .....	3
Pennsylvania .....	257	Smyrna .....	1
Rhode Island .....	12	Switzerland .....	3
South Carolina .....	21	Turkey .....	1
South Dakota .....	18		

## GENERAL SUMMARY

### TEACHING STAFF

In many instances members of the teaching staff give only part time to the University:

Professors .....	88
Associate Professors .....	16
Clinical Professors .....	17
Assistant Professors .....	16
Associates .....	14
Clinical Associates .....	13
Instructors and Lecturers .....	154
Assistants and Demonstrators .....	89
	<hr style="width: 100px; margin-left: 0;"/> 407

### Students Registered in the University 1924-25:

#### Department of Arts and Sciences—

School of Graduate Studies .....	404
Columbian College .....	2,815
College of Engineering .....	583
Teachers College .....	547
	<hr style="width: 100px; margin-left: 0;"/> 4,349

#### Professional Departments—

Medical School .....	252
Law School .....	1,084
College of Pharmacy .....	28
	<hr style="width: 100px; margin-left: 0;"/> 1,364

Total ..... 5,713

#### Summer School, 1924—

Arts and Sciences Summer School.....	1,118
Medical Summer School .....	29
Law Summer School .....	425
	<hr style="width: 100px; margin-left: 0;"/> 1,572



# DEGREES CONFERRED COMMENCEMENT 1924

## Doctor of Philosophy

RUTH BUCHANAN	Pennsylvania
B.S. 1916, University of Pittsburgh	
M.S. 1920, George Washington University	
RICHARD THOMAS COTTON	England
B.S. 1914, Cornell University	
M.S. 1918, Cornell University	
ERNEST WILLIAM GUERNSEY	Indiana
B.S. 1918, University of Illinois	
M.S. 1922, American University	
JAMES CLYDE MUNCH	Maryland
B.S. 1915, Illinois Wesleyan University	
M.S. 1916, Illinois Wesleyan University	

## Master of Arts

JEANETTE FRANCES BLUM	District of Columbia
A.B. 1923, George Washington University	
FRANK J. CAVANAUGH	New York
A.B. 1922, George Washington University	
NATHAN BRYLLION FAGIN	District of Columbia
A.B. 1923, George Washington University	
EDNA FAY HOLBROOK	New York
A.B. and T.D. 1923, George Washington University	
ELEANOR CATHERINE JUDD	Indiana
A.B. 1921, George Washington University	
LINDA JANE KINCANNON	Mississippi
A.B. 1911, Martha Washington College	
LEWIS THOMPSON LEONARD	Pennsylvania
B.S. 1913, George Washington University	
OSCAR McPEAK	Tennessee
LL.B. 1923, Georgetown University	
A.B. 1920, University of Tennessee	
GILBERT OTTENBERG	District of Columbia
A.B. 1922, George Washington University	
ALBERT ELWOOD PAGAN	District of Columbia
M.D. 1912, George Washington University	
B.S. 1921, George Washington University	
NATALIE LEO PARTON	District of Columbia
A.B. 1923, Trinity College	
HARRY WESLEY PERRIN	District of Columbia
A.B. 1923, George Washington University	
CARL GUNNAR PRESTRUD	Washington
A.B. 1909, Spokane College	
ANNA LORETTE ROSE	Pennsylvania
A.B. 1912, George Washington University	
KARL RUPPERT	Arizona
B.S. 1920, University of Arizona	
RUPERT OTHELLO SHARITZ	Virginia
A.B. 1922, Emory and Henry College	

ANNIE SHELTON.....	Texas
A.B. 1916, Howard Payne College	
AUDLEY LAWRENCE SMITH.....	District of Columbia
A.B. 1923, George Washington University	
DOROTHEA STEPHENS.....	District of Columbia
A.B. 1923, George Washington University	
ZVI HIRSH STRYCOVSKI.....	Palestine
A.B. 1923, George Washington University	
HOWARD HOBSON TEWKSBURY.....	Massachusetts
A.B. 1918, Harvard University	
FRANCES ANNE TRAVER.....	New York
A.B. 1911, Syracuse University	
M. LOUISE UNDERWOOD.....	District of Columbia
A.B. 1916, George Washington University	
EMILE FELIX VANDER STUCKEN, JR.....	Texas
A.B. 1923, University of Texas	
THOMAS RICHARD WILSON.....	California
B.S. 1922, University of California	
B.F.S. 1923, Georgetown University	

#### Master of Science in Engineering

DAVID HUNTER STROTHER.....	West Virginia
A.B. 1922, George Washington University	

#### Master of Science in Chemistry

ISAAC NEWTON BEALL.....	District of Columbia
A.B. 1922, George Washington University	
EDWARD JACKSON FOX.....	District of Columbia
A.B. 1917, Richmond College	
HAROLD W. FREVERT.....	Iowa
B.S. 1921, Iowa State College	
WARD EDWARD KUENTZEL.....	Minnesota
B.S. 1917, University of Minnesota	
WILBUR ROY LEIGHTY.....	Maryland
B.S. 1910, Illinois Wesleyan University	
ELVAN ADDISON MILLER.....	Pennsylvania
A.B. 1923, George Washington University	

#### Master of Science

JESSIE GLENDON BEACH.....	District of Columbia
A.B. 1922, George Washington University	
WILL WARREN BOYER.....	District of Columbia
B. S. 1917, Ohio State Agricultural College	
B.S. 1920, Massachusetts Institute of Technology	
COE STANLEY MILLS.....	New Jersey
B.S. 1921, Brown University	
HELEN ISABEL PFAFF.....	Ohio
B.S. 1910, Municipal University of Akron	

#### Bachelor of Arts

NORMAN THEODORE ANDERSON.....	Illinois
KATHLEEN ELIZABETH ATKINS.....	District of Columbia
MARION VIRGINIA BAILEY.....	District of Columbia



WILLIAM LESLIE BALES	Kentucky
ROBERT STEIN BASSLER	District of Columbia
(With distinction)	
MARIAN BARKER	District of Columbia
AUGUSTUS O'RELL BASHAM	District of Columbia
NORVELL BELT	District of Columbia
LEO BENDER	Maryland
AVA LAVERNE BENNETT	Ohio
LEWIS BERNSTEIN	Connecticut
FLORENCE SEVILLE BERRYMAN	District of Columbia
(With distinction)	
RUBY LENA BOLLMAN	District of Columbia
EMIL S. BONANNO	New York
GEORGE D. BONEBRAKE	Ohio
MARCIA BOYNTON	Ohio
(With distinction)	
CLARA LOUISE BRADY	District of Columbia
FRANCIS WILLIS BROWN	District of Columbia
MARY AGNES BROWN	District of Columbia
KATHERINE GERTRUDE BRYANT	District of Columbia
ROBBIE BERKELEY BURNET	District of Columbia
(With distinction)	
EDWIN CALEB BURT	District of Columbia
MARGUERITE SHAW CARLTON	District of Columbia
BESSIE CLIFTON CARMAN	District of Columbia
MARGARET BEADLE CATON	Virginia
FRANK CHIRIELEISON	District of Columbia
CATHERINE CHISHOLM	Maryland
CHARLES HUBERT COLEMAN	District of Columbia
JULIO ENRIQUE COLON	Porto Rico
JAMES BAYARD COSTELLO	Massachusetts
ESTHER ALICE COTTINGHAM	Illinois
EFFIE CUMMINS CREWS	Illinois
BARRETT HARDEN CULIN	Pennsylvania
HAZEL JENNINGS DAVIS	District of Columbia
FREDERICK W. DECK	District of Columbia
WINIFRED TELFAIR DE VOE	District of Columbia
LESTER EARL DIXON	New York
MARY AGNES DON LEAVY	Vermont
SARA LOYOLA DORAN	New York
EDWIN BLAIR EGLI	Iowa
EDITH LOUISE ELLIOTT	District of Columbia
LENARD R. FOLSE	Louisiana
WILLIAM ZEV FRADKIN	New York
ELIZABETH SUTHERLAND FROST	Virginia
BERTRAM GALBRAITH	Pennsylvania
PHYLLIS CATHERINE GALLAGHER	District of Columbia
ALLEN HOWARD GARDNER	Pennsylvania
ELEANOR GESSFORD	District of Columbia
(With distinction)	
EDWARD JACOB GRASS	District of Columbia
ESTHER HANDCOCK	Virginia
ELIZABETH CLAIRE HART	Wisconsin
EDWARD P. HENDERSON	Ohio
BENJAMIN HENKIN	District of Columbia
JEAN SYLVIA HIMMELFARB	District of Columbia

ELISABETH PARKER HOBBS.....	District of Columbia
ANNE CATHERINE HOF.....	District of Columbia
(With distinction)	
HELEN GLADYS HUGHES.....	District of Columbia
ELMER WALTER HUNSICKER.....	Indiana
THELMA HUNT.....	Maryland
(With distinction)	
MARY FLOREINE HURLEY.....	District of Columbia
EDWARD HALCBEN JOHNSON.....	Texas
LESTER DUDLEY JOHNSON.....	Illinois
(With distinction)	
CHARLES WELPLEY JONES.....	Virginia
HAROLD S. KENNEDY.....	District of Columbia
FRANCIS JOSEPH LACKEY.....	Texas
SAMUEL WINSTON LACY.....	Virginia
ABIGAIL LANE.....	District of Columbia
IRENE DE POPLAWSKA-LEINWEBER.....	Poland
MARIE TUNSTALL LINGO.....	Virginia
LOUIS JOSEPH LISTA.....	District of Columbia
MORRIS SAMPSON LOWMAN.....	District of Columbia
JOHN LUCAS.....	Pennsylvania
CARL LUTZ.....	Illinois
FRANK HOWARD MCBETH.....	District of Columbia
GLADYS ESTHER MCCULLOUGH.....	District of Columbia
ROBERT HOOPER MCNEIL.....	District of Columbia
ALVIN GREENE MCNISH.....	District of Columbia
NOVELLA MAYO.....	Louisiana
MAURICE EDWARD MILLER.....	District of Columbia
LATANÉ GORDON MONTAGUE.....	Wisconsin
MORTIMER BRYAN MOREHOUSE.....	District of Columbia
MINNIE DOUGLAS MURRILL.....	Virginia
HELEN NEWTON.....	District of Columbia
(With distinction)	
GRACE REBECCA NORVELL.....	Missouri
MILLARD FREDERICK OTTMAN.....	District of Columbia
DOROTHY LOUISE OVERSTREET.....	District of Columbia
BELVA ABERNATHY OWENS.....	District of Columbia
HOMER SCOTT PATTERSON.....	Georgia
ARLETTA HESTER PHILLIPPS.....	District of Columbia
GRACE GUILLE PURSE.....	District of Columbia
(With distinction)	
THERESA PERMELIA PYLE.....	District of Columbia
MARY ELAINE QUICK.....	Virginia
AGNES ELIZABETH REGAN.....	New York
HAZEL VINCENTE REYNOLDS.....	
(With distinction)	
MATTIE MAY RISTER.....	Texas
JESSIE DEAN ROACH.....	Illinois
DAISY STANSBERRY ROBBIAN.....	Kentucky
SAMUEL LYLE ROGERS, JR.....	North Carolina
MAXINE FRANCES ROLLE.....	District of Columbia
(With distinction)	
GEORGE F. ROMMEL.....	District of Columbia
EMILY ELEANOR SAUM.....	District of Columbia
HELENA DOROTHEA SCHOENFELDER.....	Iowa
MARION EMILY SCHWARTZ.....	District of Columbia



VERNA G. SHORT	Illinois
FENWICK SHUGRU	District of Columbia
REYA SILVER	Maryland
SARAH FRENCH SMITH	South Carolina
HARRIET ROSE STAPLES	District of Columbia
HANNAH HUNT STOKES	District of Columbia
THEOBELLE STILES	North Dakota
HELEN STOUTAMYER	District of Columbia
(With distinction)	
JAMES FRANCIS SULLIVAN	Massachusetts
(With distinction)	
HILLORY ALFRED TOLSON	Iowa
GLADYS TAPLEY	District of Columbia
BLANCHE MAJESKA TRON	District of Columbia
MARY JOSEPHINE VACCARO	District of Columbia
ANNA FRANCES WARING	District of Columbia
ARTHUR WAYNE WELLS	Indiana
KATHERINE LOUISE WHELCHER	District of Columbia
GENEVIEVE JEMAIL WILSON	District of Columbia
BEATRICE KINSMAN WOODFORD	Maryland
ALBERT WILLIAM ZANNER	District of Columbia

#### Bachelor of Science in Medicine

EDITH LILLIAN SWARTWOUT	District of Columbia
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#### Bachelor of Science in Architecture

JOE HARRY LAPISH	District of Columbia
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#### Bachelor of Science in Chemical Engineering

ARTHUR MEYER HARTMAN	District of Columbia
(With distinction)	
KLARE S. MARKLEY	Maryland
JOSE A. LLOMPART	Porto Rico

#### Bachelor of Science in Civil Engineering

HAROLD HARRISON DUTTON	District of Columbia
ALEXANDER FINNIE	District of Columbia
HUGH PALMER HILL, JR.	District of Columbia
ALBERT HENRY KAMPE	Michigan
PAUL FREDERICK LOEHLER	District of Columbia
EDWARD SCHLEY PARDOE	District of Columbia
EUGENE E. WISSOTSKY	Russia
JEFFERSON DAVIS WRIGHT	Tennessee
CLINTON KEMP YINGLING, JR.	District of Columbia

#### Bachelor of Science in Electrical Engineering

ARTHUR LOYOLA LANIGAN	District of Columbia
ELMER CHRISTIE MCKAY	District of Columbia
(With distinction)	
PERCY LEROY PATRICK	District of Columbia
OSCAR SAMUEL TUCKER	District of Columbia

### Bachelor of Science in Mechanical Engineering

LINDSAY PETTIT DISNEY.....	District of Columbia
EDWARD FRANCIS QUINN.....	New York
SAMUEL J. ROSENBERG.....	District of Columbia
RICHARD SOUTHERNE SHREVE, JR.....	Virginia

### Bachelor of Arts and Bachelor's Diploma in Education

HARRY BAKER, JR.....	District of Columbia
ELISABETH MCDANIEL BOOTH.....	District of Columbia
ANNA VIRGINIA BOWDEN.....	District of Columbia
NONA FERN BREIDENBACH.....	Virginia
LYNDA MARIE CARVER.....	Virginia
MARIAN ELIZABETH CASEY.....	District of Columbia
CLARA ELIZABETH CHALLICE.....	District of Columbia
MAY FRANCES CLIFFORD.....	Minnesota
(With distinction)	
MARTHA J. COFFIN.....	Indiana
INEZ ELIZABETH COX.....	Kentucky
BESSIE LEE CROCKETT.....	District of Columbia
RUBY LEE CULP.....	Oklahoma
MARY HAYES FRANKENFIELD.....	New Jersey
JANET ELIZABETH ELLIOT.....	District of Columbia
(With distinction)	
GRACE DARLING ELY.....	Maryland
ADA REED ENTWISLE.....	District of Columbia
(With distinction)	
EMOLYN CARPENTER ESPEY.....	District of Columbia
(With distinction)	
KATHERINE BURNETT GOODFELLOW.....	Canada
ESTELLE CAROLINE GRIEST.....	District of Columbia
JOSEPHINE FITZALAN GULLEDGE.....	Mississippi
MINNIE VIOLA HENSEL.....	Ohio
LOUISE HIATT.....	District of Columbia
BESSIE KIBBEY LACY.....	District of Columbia
(With distinction)	
MAE JAYE LEVAN.....	Pennsylvania
DOROTHY MAE LEWIS.....	District of Columbia
CORLEY PERRY McDARMENT.....	Kentucky
ELEANOR BRADFORD MELCHIOR.....	Virginia
AGNES TAYLOR MILLER.....	Missouri
ROSA MERCER MOSS.....	Virginia
ELIZABETH O'HARA.....	District of Columbia
KATHERINE TAIT OMWAKE.....	District of Columbia
(With distinction)	
DOROTHY MARTH PARTON.....	District of Columbia
(With distinction)	
MARY IZETTE POLLARD.....	New Hampshire
FREDDA LENORE RHODES.....	Pennsylvania
RUTH CLARA ST. CLAIR.....	Virginia
LILLIAN ALICE SHEWMAKER.....	District of Columbia
(With distinction)	
HARRIET MARTHA WILLIAMS.....	Pennsylvania
BERYL BROSIUS WISMAN.....	District of Columbia
ELSIE MAY YOST.....	District of Columbia
MYRTLE YOST.....	District of Columbia



## Doctor of Medicine

WILLIAM McCORMICK BALLINGER	Colorado
A.B. 1921, George Washington University	
RAMÓN T. COLÓN	Porto Rico
ROGER STAHEL COHEN	District of Columbia
Litt.B. 1919, Princeton University	
ANTHONY ABRAHAM DEEP	District of Columbia
HUGH CLARENCE DUFFEY, JR.	District of Columbia
LESLIE HOWSON FRENCH	England
(With distinction)	
JOSEPH BIVONA GIOVINCO	New York
A.B., St. Johns College	
JAMES SYLVESTER HARDING	Pennsylvania
WILLIAM PRESTON HAYNES	Kentucky
A.B. 1921, George Washington University	
RICHARD MINER HEWITT	Connecticut
A.B. 1914, Wesleyan University	
A.M. 1917, Princeton University	
H. S. HOFFMAN	Maryland
A.B. 1921, George Washington University	
WILLIAM JOSEPH JOHNSON	Massachusetts
(With distinction)	
A.B. 1921, George Washington University	
NATHAN KARSHMER	New Jersey
FRANK MARKS MCCHESENEY	District of Columbia
ARTAJERJES OLIVERAS	Porto Rico
HANSON TRAVERS PERKINS	Maryland
B.S. 1920, University of Maryland	
JAMES ALBERT PETERSON	Utah
A.B. 1920, University of Utah	
BARNEY PLOTNICK	Virginia
BURECH RACHLIS	District of Columbia
THOMAS RICHARD REES	District of Columbia
A.B. 1919, George Washington University	
NOAH ROUSE	North Carolina
MAX RUDOLPH RUBINSTEIN	New Jersey
JOHN PAUL RUSSELL	District of Columbia
FRANK SAPIENZA	New York
JOSEPH STEIN	New York
MARJORIE SHAW STUART	District of Columbia
A.B. 1921, George Washington University	
EDITH LILLIAN SWARTWOUT	District of Columbia
ELMER JUSTIN WENAAS	North Dakota
A.B. 1921, University of North Dakota	
ALFRED MARIUS ZITANI	New York

## Nurses' Diplomas

MABEL CLAIRE CARLTON	North Carolina
MAMIE HADAWAY	Georgia
GRACIA McADOO	Ohio
LAURA F. FOWLER	New York
RUTH POINDEXTER	North Carolina
GUSTAVA MABEL SCHAEFFER	West Virginia
LILLIAN HOPE THOMAS	Pennsylvania
ELIZABETH STONE WAGNER	Virginia

## Bachelor of Laws

JOHN WALTER SCOTT ACHESON	Utah
MORRIS MORTON AEIN	District of Columbia
ROBERT DOUGLAS ARMSTRONG	Indiana
A.B. 1915, Indiana University	
A.M. 1917, University of Wisconsin	
(With distinction)	
JULIA SPENCER ATKINS	North Carolina
PHILIP ESSERY BARNARD	District of Columbia
(With distinction)	
WILLIAM ERNEST BALLENTINE	West Virginia
JOE CLIFFORD BARRETT	District of Columbia
B.A. 1920, University of Arkansas	
EDWIN ANSON BERGER	Pennsylvania
A.B. 1921, George Washington University	
EDWIN SUMNER BETTELHEIM, JR.	New York
JOHN JAY BIBB	Virginia
MAY THORPE BIGELOW	District of Columbia
A.B. Vassar College, 1919	
AGNES MARJORIE BROWN	Iowa
BERNARD FRANKLIN BURDICK	Alabama
JACOB BURNS	District of Columbia
(With distinction)	
LESLIE CORNWELL BYER	Massachusetts
B.S. in E.E., Worcester Polytechnic Institute	
HERBERT McCOMAS CARLE	Ohio
A.B. 1922, George Washington University	
ARTHUR WILLARD CARLSON	Minnesota
BYRON GOULD CARSON	Massachusetts
CHARLES ANGLE CARTER	Virginia
IVEY WESLEY CASHATT	North Carolina
RONALD EDWARD CATES	Iowa
BEATRICE ADALINE CLEPHANE	Maryland
A.B. 1920, Wellesley College	
JOSEPH BRADLEY COLBURN	District of Columbia
MATTHEW COWLEY	Utah
CARELTON JOHN DELBRIDGE	South Dakota
HENRY KNEFELY DIERKOPH	District of Columbia
ALICE MARY DODD	New York
DOROTHY DONAHUE	Vermont
A.B. 1919, George Washington University	
LAIDLEY ELLIS DOUTHITT	Kentucky
HENRY DRIZIN	Pennsylvania
KATHERINE DUCKWALL	District of Columbia



OTTO DVOULETY.....	Czechoslovakia
JOHN EARL EASTLACK.....	Iowa
PARLEY PRICE ECCLES.....	Utah
FERDINAND ERICKSON.....	Utah
DON CLARE FEES.....	Nebraska
LESTER FRANCIS FERRIS.....	District of Columbia
JULIA LOUISE FORD.....	District of Columbia
JEROME WILLIAM FRANK.....	Pennsylvania
B.S. 1916, University of Pittsburgh	
MEYER FRANK.....	Michigan
CHARLES NYE FRASER, JR.....	Maryland
HARRY FRIEDMAN.....	Maryland
(With distinction)	
HAROLD FRANK FRY.....	Iowa
A.B. 1922, University of Iowa	
WILLIAM THOMAS FRYER.....	Maryland
A.B. 1922, George Washington University	
JOHN DUEL GLASS.....	District of Columbia
FRED OLIVER GRAVES.....	New York
RALPH COCHRAN HALE.....	Tennessee
CHARLOTTE ANNA HANKIN.....	District of Columbia
A.B. 1920, Radcliffe College	
JAMES PHILIP HARRINGTON.....	New York
DAVID ELMER HARTSHORN.....	Connecticut
B.S. in C.E. 1917, Worcester Polytechnic Institute	
RUTH ADELE HEILBRUN.....	District of Columbia
DAVID HERRMANN.....	District of Columbia
DALE ELIZABETH HOFFMAN.....	Missouri
ROGER P. HOLLINGSWORTH.....	District of Columbia
OLIVER WENDELL HOLMES HUGHES.....	Ohio
ARNOLD WINDOM JACOBSEN.....	Virginia
Graduate U. S. Naval Academy, 1916	
HARVEY EARL KAUFFMAN.....	Pennsylvania
A.B. 1920, George Washington University	
A.M. 1921, George Washington University	
HUGO AUGUSTUS KEMMAN.....	Iowa
A.B. 1923, George Washington University	
ADAM STOCKTON KING.....	District of Columbia
GEORGE DEWEY KNEIP.....	Ohio
B.S. in Business Adm., Ohio State University	
GEORGE KRAMER.....	Massachusetts
ALTON E. LAUGHLIN.....	Wyoming
WILLIAM DAVIDSON LAVENDER.....	Alabama
A.B. 1920, Virginia Military Institute	
OSCAR I. LEVY.....	Louisiana
B.S. 1914, Tulane University	
M.S. 1916, Tulane University	
HORACE LUTHER LOHNES.....	Ohio
CLARK RUSSELL LONG.....	Pennsylvania
EDWIN ALBERT LOOP.....	Illinois
LOYD FOX LOUX.....	Pennsylvania
A.B. 1922, George Washington University	
ELIOT CALLENDER LOVETT.....	Illinois
A.B. 1921, Harvard University	
KARL BARR LUTZ.....	West Virginia
A.B. 1920, Bethany College, West Virginia	

CARL THEODORE MACK	Pennsylvania
E.E. 1917, Lafayette College	
PROWELL STAUFFER MACK	New York
E.E. 1917, Lehigh University	
LUMEN HOWARD MACOMBER	District of Columbia
ADELAIDE SERENA MAKENS	District of Columbia
A.B. 1920, Trinity College	
SAMUEL VAN DYKE MARKLEY	Ohio
A.B. 1920, Miami University	
HENRY KNIGHT MUIR	District of Columbia
ARTHUR LUFKIN MUNDO	District of Columbia
GEORGE KIBBY MUNSON	New York
(With distinction)	
A.B. 1914, University of Rochester	
ARTHUR MCGREGOR	Utah
LEROY MCGREGOR	Ohio
CHARLES BALLARD MCINNIS	Alabama
DAVID EZZELL MCRAE	District of Columbia
ROBERT ARLEIGH NIXON	Wisconsin
WALTER EVERETT OVERSTREET	District of Columbia
A.B. 1922, George Washington University	
WILLIAM ADDISON PAISLEY	Alabama
WILLIAM MERRICK PARKER	District of Columbia
ALMA B. PARTRIDGE	District of Columbia
ROBERT WILSON PATTERSON	District of Columbia
REBECCA PERLMAN	District of Columbia
(With distinction)	
A.B. 1921, George Washington University	
ARTHUR COLVIN PERRY	Texas
CHARLES PICKETT	Virginia
FRED B. PICKETT	Indiana
ERIE LAVOID POFF	Virginia
CLYDE CHARLES RATCLIFF	Louisiana
MARGARET ELIZABETH RAUBER	New York
CHARLES E. REAMS, JR.	Virginia
PAUL CLINTON REED	Louisiana
A.B. 1923, George Washington University	
MARION BENJAMIN RHODES	Missouri
A.B. 1921, University of Missouri	
JOHN HENRY RICK	District of Columbia
HOBART ROBY	West Virginia
A.B. 1923, West Virginia University	
ROBERT IRVING RUDOLPH	District of Columbia
B.S. in Ch.E. 1921, Catholic University	
WILLIAM ERHARDT RUNGE	Wisconsin
FRANK EDMUND RUSSELL	District of Columbia
PAUL RAY RUSSELL	District of Columbia
ANNIE MILES SAULSBURY	Delaware
Ph. B. 1897, Dickinson College	
EDWARD LIPPHARDT SCHEUFLER	Kansas
A.B. 1922, George Washington University	
ABRAHAM NATHAN SCHATZ	District of Columbia
HOWARD KNOTT SHAW	New Jersey
A.B. 1921, George Washington University	
EDGAR LEE SHEFFIELD	Idaho
A.B. 1921, George Washington University	



FORREST P. SHOWALTER	Colorado
PERRY W. SHRADER	Kansas
EDWARD ROLLIE SMITH	Kentucky
FINNEY BASCOM SMITH	Pennsylvania
Graduate 1915, U. S. Naval Academy	
GEORGE McNEIL SONFIELD	Texas
JAMES EDELBERT STEVENS	Indiana
WALTER RAYMOND STOKES	District of Columbia
ORLANDO W. STONE	Pennsylvania
JAMES EDWIN STUART	Virginia
A.B. 1921, Emory and Henry College	
JULIA PATRICIA SULLIVAN	Maryland
RICHARD HENRY TEBBS, JR.	Virginia
HENRY TEMIN	District of Columbia
(With distinction)	
A.B. 1923, George Washington University	
TALMADGE MILTON THORNE	Virginia
DAVID PALMA TINLEY	Georgia
FRANCIS ARGYLL TROTTER	Utah
WILLIAM ALVIN WAGNER	Pennsylvania
JOHN BUTLER WALSH	District of Columbia
PAUL EDWARD WARING	District of Columbia
B.S. 1920, University of Pennsylvania	
JOHN WHITFIELD WELLS	Georgia
ERNEST FRANCIS WILLIAMS	District of Columbia
A.B. 1921, George Washington University	
ISABEL DIFFENDERFER YATES	District of Columbia
A.B. 1919, Goucher College	

## Master of Laws

JOSEPH NELSON ANDERSON	Virginia
LL.B. 1923, George Washington University	
WILLIAM OLIN BURTNER	Virginia
A.B. 1917, Washington and Lee University	
M.A. 1918, Washington and Lee University	
LL.B. 1921, Washington and Lee University	
HENRY CLAY ESPEY	District of Columbia
LL.B. 1923, George Washington University	
JOSEPH ABNER JORDAN	Georgia
LL.B. 1923, George Washington University	
E. RUSSELL KENNEDY, JR.	District of Columbia
LL.B. 1923, George Washington University	
FRANK HAMMETT MYERS	District of Columbia
LL.B. 1923, George Washington University	
FRANK SMITHIES ROWLEY	Wisconsin
LL.B. 1923, George Washington University	
A.B. 1923, George Washington University	
ARTHUR HENRY WALTER	Kentucky
LL.B. 1923, George Washington University	

## FALL CONVOCATION, 1924

## Master of Arts

HARRY PAUL AHERN	District of Columbia
A.B. 1924, George Washington University	
LORA ANNE BROOKLEY	California
A.B. 1923, George Washington University	
FRANCES M. GUANELLA	District of Columbia
A.B. 1923, George Washington University	
RILLA MAY HAUKE	District of Columbia
A.B. 1919, George Washington University	
WARD WILBUR KEESECKER	Virginia
A.B. 1923, George Washington University	
EDWIN EARL MACZKOWSKIE	Michigan
A.B. 1922, Gallaudet College	
IVADEL ELSIE NEWLOVE	North Dakota
A.B. 1921, George Washington University	
HELEN MARGARET WHITE	District of Columbia
A.B. 1921, George Washington University	
ARTHUR PERRY WILLIAMS	District of Columbia
A.B. 1911, Hobart College	
B.S. 1913, Cornell University	

## Master of Science in Chemistry

NORMAN FREDERICK LE JEUNE	District of Columbia
B.S. in Chem. Eng. 1920, Carnegie Institute of Technology	

## Bachelor of Arts

RALPH PRESSLEY ATEN	District of Columbia
HENRY CURRY CAMPBELL	District of Columbia
MILDRED LENA COUTURE	New Hampshire
(With distinction)	
ALMA H. CRAMER	District of Columbia
LOIS GOSNELL	South Carolina
MARSHALL J. GOSS	District of Columbia
LOUIS M. HOPPING	Illinois
GRANVILLE RANDOLPH HUTCHISON	South Carolina
RAY D. LATTIMER	West Virginia
DONALD L. LITTLE	Kansas
SAMUEL LUBER	District of Columbia
RONALD NYMAN MARQUIS	Oklahoma
ORVILLE EDWARD MAY	Iowa
BERNARD J. MAYO	Maine
CLARENCE WILLIAM MOORE	District of Columbia
ERNESTINE HELENA NIEMEYER	District of Columbia
DOMINIC PUCCI	Michigan
MARGARET CAROLINE RAMSEY	District of Columbia
HARTZELL H. RAY	Kansas
GEORGE LEATHWHITE ROBERTS	New Jersey
WILLIAM M. ROTZLER	Utah
PAUL RAY RUSSELL	New York
RICHARD SPENCER	Missouri
EDWARD ANDREW SWENDENBORG	Idaho
ARTHUR SYMONS	District of Columbia
RALPH JOHN WAVERLY WALLACE	Oklahoma



**Bachelor of Science in Chemistry**

GEORGE ELLIOTT HARRINGTON.....District of Columbia

**Bachelor of Arts and Bachelor's Diploma in Education**

ELLEN L. CANTON.....New York  
 DOROTHY SOPHIE COFFMAN.....Mississippi  
 LU VERNE CRABTREE.....District of Columbia  
 CAMILLE DU BOSE.....District of Columbia  
 (With distinction)  
 HAIG KUPJIAN.....District of Columbia  
 EMILY WINIFRED JOHNSON.....Virginia  
 IDA MAY LIND.....District of Columbia  
 (With distinction)  
 JOSEPH LEMART SCHULTZ.....Pennsylvania  
 MARTHA VIRGINIA TROUGHTON.....Virginia  
 MILDRED THERESA VON EIFF.....District of Columbia  
 GRACE ALLEN WALKER.....District of Columbia  
 MARY ALLEN WILLIAMS.....Tennessee

**Doctor of Medicine**

ROBERT MICHAEL CHIASCIONE.....New York  
 B.S., 1920, Fordham University  
 WILLIAM ARTHUR SHANNON.....District of Columbia

**Bachelor of Laws**

HERBERT OSBOURN ALLEN.....Virginia  
 CHARLES HENRY BIRMINGHAM, JR.....District of Columbia  
 CHARLES FRANCIS BLAKELY.....Nebraska  
 B.S. in C.E. 1920, George Washington University  
 GRANVILLE SPAULDING BORDEN.....Pennsylvania  
 B.S. in E.M. 1918, University of California  
 LAWRENCE WILLIAM BRADY.....Iowa  
 OLIVER DE GEER.....Ohio  
 GEORGE FENELON DES MARAIS.....Massachusetts  
 B.S. in M.E. 1920, Massachusetts Institute of  
 Technology  
 ARTHUR EDWARD DOWELL, JR.....District of Columbia  
 B.S. in E.E., Massachusetts Inst. of Technology  
 BENJAMIN BUTTERWORTH DOWELL.....District of Columbia  
 JOHN CHARLES FREY.....District of Columbia  
 A.B. 1922, George Washington University  
 WILLIAM GREENE HAMILTON.....Arkansas  
 A.B. 1921, University of Arkansas  
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 DELLA M. HUMPHREY.....Colorado  
 A.B. 1921, University of Denver  
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 WALTER FERDINAND MEHRlich.....Indiana  
 RALPH F. MILLER.....Pennsylvania  
 B.S. in Chem.Eng. 1922, George Washington  
 University  
 FRANK P. MCINTYRE.....Connecticut  
 CHESTER F. PRICE.....Alabama

ARTHUR JAMES SEATON.....	Iowa
PABLO MACASAET SILVA.....	Philippine Islands
VERNE PHIL SIMMONS.....	Missouri
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#### Master of Laws

JAMES PITTMAN HILL, JR.....	Georgia
A.B. 1920, Washington and Lee University	
LL.B., 1923, University of Georgia	
GEORGE CLARKE OBER, JR.....	District of Columbia
A.B. 1923, George Washington University	
LL.B. 1923, George Washington University	
CHARLES EDWARD WAINWRIGHT.....	Virginia
LL.B., 1923, George Washington University	



## MIDWINTER CONVOCATION, 1925

### Doctor of Philosophy

JOSEPH WEI AI	China
B.S. 1919, St. Johns University	
A.M. 1922, Columbia University	
MARTHA MACLEAR	New York
B.S. 1909, Columbia University	
A.M. 1910, Columbia University	
CARL COKE RISTER	Texas
A.B. 1915, Simmons College	
A.M. 1919, George Washington University	

### Master of Arts

LILLIE PORTER BAILEY	District of Columbia
A.B. 1920, George Washington University	
HELEN MILDRED GARDNER	Pennsylvania
A.B. 1922, George Washington University	
LAURA EVANGELINE LOVETT	Illinois
A.B. 1921, Radcliffe College	
VERNON BOOTH LOWREY	Mississippi
A.B. 1914, Mississippi College	
FRIEDA WIEGAND MCFARLAND	Maryland
A.B. 1919, Indiana University	
CARRIE M. MILLER	District of Columbia
A.B. 1923, George Washington University	
FLORENCE ETHEL MILLIKEN	District of Columbia
A.B. 1915, George Washington University	
KATHARINE TAIT OMWAKE	District of Columbia
A.B. 1924, George Washington University	
MELVILLE FULLER PETERS	District of Columbia
B.S. 1917, Michigan Agricultural College	
PATERNIO SANTOS	District of Columbia
A.B. 1919; Ph. B., 1921	
A.M. 1922, University of Philippines	
HOWARD KNOTT SHAW	New Jersey
A.B. 1921, George Washington University	
LL.B. 1924, George Washington University	
JOHN JACOB TIPTON	Maryland
A.B. 1922, George Washington University	

### Master of Science in Chemistry

WILLIAM MICHAEL TOOHEY	District of Columbia
A.B. 1915, Rock Hill College	
A.M. 1919, Rock Hill College	

### Bachelor of Arts

HAZEL MAE BAYNE	District of Columbia
(With distinction)	
MARIAN BOWKER	District of Columbia
ILDRIA MAYS BRIDGES	Illinois
JOHN RUNDALL BROMELL	District of Columbia
LINDA ELEANOR DEATON	Ohio
DAVID HOBSON DEIBLER	Maryland
ELSIE YOUNG DOUGLAS	Florida
FRANCIS JOSEPH GUNNING	Massachusetts

ANNA MARY HAMILTON.....	Pennsylvania
SOPHIA VOGT HARRIS.....	District of Columbia
DOUGLAS WILLIAM HARTMAN.....	Wisconsin
DOROTHY HOTTEL.....	Maryland
KYI YUAN HU.....	China
ESTHER HULL.....	Massachusetts
CHARLOTTE MARIAN KEEFER.....	District of Columbia
(With distinction)	
JAMES EVANS MANGUM.....	Georgia
ERWIN ROBERT POHL.....	New York
ALEC AMBROSE PREECE.....	District of Columbia
CLARA FITZ RANDOLPH.....	Illinois
CARL CHALMERS REDINGER.....	West Virginia
WILLIAM FRANCIS ROONEY.....	Massachusetts
AUGUSTA L. SHORT.....	District of Columbia
VIVIAN VIRGINIA SIMPSON.....	District of Columbia
LESTER STANBACK.....	Mississippi
ROSE MARGARET VICKERS.....	District of Columbia
MATHILDE DOROTHEA WILLIAMS.....	District of Columbia
(With distinction)	

#### Bachelor of Arts and Bachelor's Diploma in Education

KATHARINE DOONAN.....	District of Columbia
MARGARET FISHER.....	Iowa
EDITH LOUISE GROSVENOR.....	District of Columbia
ANNA LOUISE HEIDER.....	District of Columbia
LOTTA MAY KARPELES.....	District of Columbia
(With distinction)	
RUTH BARNARD PARKER.....	District of Columbia
HAZEL MAY PRIEST.....	District of Columbia
JAMES ANNA TENNYSON.....	District of Columbia
(With distinction)	
RUBY ELLA THONSSSEN.....	District of Columbia
ANNE B. NELSON THRASHER.....	District of Columbia
ANNIE GOEBEL TRENIS.....	District of Columbia
(With distinction)	

#### Doctor of Medicine

HOWARD A. SEARL.....	Ohio
LOUIS ROSENBLATT.....	New York

#### Bachelor of Laws

HERBERT ABRAHAM.....	Oklahoma
NORMAN BRUCE AMES.....	District of Columbia
B.S. in E.E. 1915, Mississippi A. and M. College	
B.S. in E.E. 1917, George Washington University	
S.B. in E.E. 1917, Massachusetts Institute of Technology	
S.B. in E.E. 1917, Harvard University	
ROYAL ALONZO BATSON.....	South Dakota
THOMAS DARL BEHNE.....	Oklahoma
A.B. 1922, George Washington University	
WILLIAM V. CRUCE.....	Oklahoma
ANNA MARIE GOODALL.....	District of Columbia
HARRY KURTZ HERSCHEMAN.....	District of Columbia
B.S. in Chem. Eng. 1921, University of Michigan	



MOULTRIE HITT.....	Georgia
EDWARD ERNEST HORANY.....	Oklahoma
CHE CHUN HSIANG.....	China
A.B. 1920, Yale University	
McCLURE KELLEY.....	District of Columbia
A.B. 1921, Princeton University	
IRENE CECELIA KUSHNER.....	District of Columbia
MARGARET LAMBIE.....	New York
A.B. 1907, Vassar College	
ALFONS BEAUMONT LANDA.....	France
VIRGINIA SCHWAB MADDOX.....	Virginia
FERDINANDO MORINA.....	Maryland
RALPH A. NIEBELL.....	Pennsylvania
LEMUEL OLIVER.....	Kentucky
GEORGE SNYDER PATTERSON.....	Iowa
MELVIN JEFFERSON PRENTICE.....	Texas
A.B. 1917, Daniel Baker College	
RALPH SINTHAL SCOTT.....	District of Columbia
A.B. 1921, George Washington University	
JOHN DANIEL HORACE TESTER.....	Washington
HENRY SEELY THOMAS.....	Pennsylvania
B.S. 1920, Middlebury College	
EARL AMOS WAGONSELLER.....	Illinois
EDMUND STUART WHITSON.....	District of Columbia

## Master of Laws

WALTER R. CUPP.....	District of Columbia
LL.B. 1924, George Washington University	
OTTO DVOULETY.....	Czechoslovakia
LL.B. 1924, George Washington University	
GREGORY HANKIN.....	District of Columbia
B.S. 1916, College of the City of New York	
M.A. 1917, Harvard University	
LL.B. 1924, George Washington University	
WALTER ERASMUS WILES.....	North Carolina
LL.B. 1924, George Washington University	

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(The number enclosed in parentheses indicates the page in this catalogue on which may be found the degrees and title of the officer.)

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ACREE, SOLOMON F. (14)	808 Eye St.
ALBERT, R. L. (16)	710 19th St.
ALDEN, L. R. (14)	Union Trust Bldg.
ALLEN, F. M. (169)	Emergency Hospital
AMES, N. B. (15)	113 Webster St.
ANDERSON, G. K. (16)	2033 G St.
ARNOLD, E. C. (231)	1435 K St.
ASPINWALL, C. A. (5)	1140 15th St.
BAKER, S. B. (15)	2033 G St.
BAKER, C. D. (16)	1803 19th St.
BARTSCH, P. (13)	U. S. National Museum
BASSETT, G. O. (168)	4207 Illinois Ave.
BASSLER, R. S. (13)	U. S. National Museum
BEIJ, F. P. (17)	1748 Lamont St.
BEMIS, S. F. (14)	1834 16th St.
BENETEAU, A. M. (16)	916 Michigan Ave.
BENNER, C. L. (15)	26 Jackson Pl.
BERNTON, H. S. (166)	2100 G St.
BIBB, A. B. (13)	1730 H St.
BINGMAN, C. E. (167)	1020 16th St.
BIRNIE, D. P. (5)	1711 19th St.
BISHOP, G. M. (15)	2033 G St.
BOLWELL, R. W. (14)	3408 Lowell St.
BOLTON, B. R. (169)	Episcopal Hospital
BORDEN, D. L. (162)	The Rochambeau
BORDEN, R. F. (15)	53 Westover St., Clarendon, Va.
BORDEN, W. C. (8)	2306 Tracy Pl.
BOSTROM, E. F. (161)	3218 Wisconsin Ave.
BOVEE, J. W. (158)	The Rochambeau
BOWEN, W. S. (163)	The Farragut
BOWMAN, P. W. (16)	605 21st St.
BRANDENBURG, E. C. (231)	1824 Calvert St.
BRATTAIN, P. H. (16)	228 10th St. N. E.
BREEDING, E. G. (169)	Stoneleigh Court
BROMBACKER, W. G. (16)	1020 Fairmont St.
BROCKS, E. B. (169)	The Northumberland
BROSS, H. P. (16)	1826 Calvert St.
BROWN, T. B. (9)	10 Mason St., Cherrydale, Va.
BURCHELL, N. L. (5)	817-819 14th St.
BUTLER, W. K. (158)	1207 M St.
BYERS, J. D. (209)	1339 H St.
CAHILL, J. A. (168)	2607 Connecticut Ave.
CAJIGAS, T. (159)	1834 16th St.
CAMPBELL, C. B. (168)	1731 Lamont St.
CAMPBELL, E. M. (169)	3103 Mt. Pleasant St.
CAMPBELL, R. D. (17)	719 Taylor St.



CARROLL, Mrs. M. (15)	521 18th St.
CASTELL, L. B. (168)	Provident Hospital
CHACE, D. C. (15)	6 West Virginia St., Chevy Chase, Md.
CHACE, Mrs. D. C. (16)	6 West Virginia St., Chevy Chase, Md.
CHAPMAN, C. M. (209)	1335 H St.
CHENEY, W. L. (14)	427 Irving St.
CHIPMAN, C. N. (164)	1420 Rhode Island Ave.
CHOISSER, R. M. (167)	1335 H St.
CHRISTIE, A. C. (159)	1621 Connecticut Ave.
CHURCHILL, G. M. (14)	505 River Rd., Bethesda, Md.
CLARK, G. F. (161)	Naval Medical School
CLARK, LILLIAN P. (15)	Department of Labor
CLAUD, H. L. (168)	Garfield Hospital.
CLAYTOR, T. A. (163)	1826 R St.
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CORBETT, S. M. (160)	Arlington, Va.
CORBY, C. I. (5)	Rockville, Md.
CORLISS, J. C. (16)	108 Clifton Terrace, West
COUTINHO, J. S. (13)	Pan American Union
CRAIG, MARION (15)	The Victoria
CRANDALL, N. I. (14)	2006 N St.
CRANE, G. W. (16)	2033 G St.
CROISSANT, D. C. (9)	1717 Que St.
CRUM, H. W. (16)	2033 G St.
CULLOM, E. (15)	1717 Riggs Pl.
CULVER, C. W. (165)	1425 Columbia Rd.
DABNEY, V. (161)	1633 Connecticut Ave.
DAVIS, H. C. (5)	Lyon Park, Clarendon, Va.
DAVIS, H. J. (169)	1716 Que St.
DAVIS, W. T. (159)	927 Farragut Square
DEFANDORF, J. H. (162)	2926 Porter St.
DEFFENBAUGH, W. S. (15)	2033 G St.
DEIBERT, A. T. (16)	2009 Belmont Rd.
DEMAS, C. (168)	George Washington University Hospital
DE SAUSSURE, R. L. (168)	George Washington University Hospital
DINWIDDIE, E. W. (15)	3027 Que St.
DONALDSON, J. (9)	2310 Ashmead Pl.
DONNALLY, H. H. (160)	1612 Eye St.
DOYLE, A. M. (16)	3725 Jocelyn St.
DOYLE, H. G. (9)	5416 33rd St.
EARLEY, J. H. (168)	Providence Hospital
EARNEST, J. P. (161)	600 F St.
ECKMAN, J. R. (15)	2033 G St.
EDGERTON, H. W. (231)	5318 41st St.
EDSON, J. J. (5)	915 F St.
EHRLMAN, H. A. (16)	1251 Irving St.
EICHLIN, C. G. (16)	2033 G St.
ELDRIDGE, W. W. (165)	St. Elizabeth's Hospital
ELLISON, E. M. (166)	1720 M St.

ERWIN, J. T. (14)	1819 G St.
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FLATHER, W. J. (5)	Riggs National Bank
FOSTER, R. B. (15)	1437 Spring Rd.
FOWLE, F. E. (15)	2919 Que St.
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GATES, H. S. (168)	George Washington University Hospital
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GIESE, H. N. (16)	1812 N St.
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GOODMAN, W. D. (169)	Emergency Hospital
GOODWIN, E. H. (5)	Mills Bldg.
GORDON, S. (231)	1627 16th St.
GORE, J. H. (13)	2210 R St.
GRAYSON, S. M. (209)	1631 S St.
GREENE, S. H. (169)	1460 Rhode Island Ave.
GRIGGS, R. F. (9)	39 E. Bradley Lane
GROOVER, T. A. (162)	1621 Connecticut Ave.
GROPP, P. (16)	2033 G St.
GROSVENOR, G. (5)	National Geog. Society
HAGNER, F. R. (158)	The Farragut
HALL, C. L. (159)	2901 16th St.
HALL, G. L. (231)	Wilkins Bldg.
HALL, R. W. (166)	St. Elizabeth's Hospital
HAMILTON, B. (16)	3135 24th St. N. E.
HANN, R. M. (17)	2033 G St.
HARRIMAN, E. A. (231)	1302 18th St.
HARRIS, A. L. (13)	728 17th St.
HATFIELD, D. S. (168)	1720 M St.
HAWS, R. J. (169)	2604 Connecticut Ave.
HAZLETON, W. B. (17)	714 North Carolina Ave. S. E.
HENDERSON, E. P. (17)	2033 G St.
HENNING, C. (164)	1610 Eye St.
HENNING, G. N. (8)	3720 McKinley St.
HERSCHMANN, M. J. (169)	Emergency Hospital
HERTLE, L. (5)	Gunston Hall, Lorton, Va.
HERZMARK, M. H. (168)	George Washington University Hospital
HILL, C. E. (9)	Sycamore St., Takoma Park, Md.
HILL, E. A. (14)	2246 Cathedral Ave.
HITCHCOCK, F. A. (14)	5205 Wisconsin Ave.
HODGKINS, B. D. (169)	Emergency Hospital
HODGKINS, H. G. (14)	1746 K St.
HODGKINS, H. L. (8)	1821 Kalorama Rd.
HOLDEN, J. (16)	5011 13th St.
HOLLER, H. D. (15)	2033 G St.



HOLLINGSWORTH, R. K. (168)	Providence Hospital
HOLMES, C. W. (8)	2033 G St.
HOPKINS, A. (5)	1826 Massachusetts Ave.
HORGAN, E. J. (166)	Stoneleigh Court
HORNADAY, F. A. (164)	3509 14th St.
HOUGHTON, J. E. (14)	Naval Medical School
HULL, J. M. (15)	419 Essex Ave., Chevy Chase, Md.
HUMPHREYS, W. J. (13)	Weather Bureau
HUNT, F. L. (15)	2033 G St.
HUNTER, O. B. (8)	31 E. Oxford St., Chevy Chase, Md.
HYDE, C. W. (165)	The Alabama
HYDE, D. (15)	2033 G St.
IRISH, O. J. (162)	906 Emerson St.
JACKSON, MARY (16)	921 19th St.
JACKSON, V. B. (168)	The Kedrick
JEFFRIES, J. A. (169)	Emergency Hospital
JENKINS, G. B. (159)	3623 T St.
JENKINS, W. H. (166)	1738 M St.
JOHNSON, A. F. (15)	1511 22nd St.
JOHNSON, R. C. (167)	1335 H St.
JONES, C. K. (14)	214 13th St. N. E.
JORDAN, J. A. (231)	1419 Clifton St.
JUSTEMENT, L. (16)	927 15th St.
KAIN, G. (168)	George Washington Univer- sity Hospital
KALUSOWSKI, H. E. (8)	808 Eye St.
KANE, H. F. (162)	Stoneleigh Court
KAYSER, E. L. (8)	The John Marshall
KEMBLE, A. (166)	The Cecil
KERN, R. R. (13)	The Iowa
KERR, H. H. (160)	1742 N St.
KINCANNON, L. J. (8)	The Pentilly
IDEN, B. F. (167)	1335 H St.
KING, W. B. (5)	Virginia Highlands, Va.
KING, W. B. (167)	1822 Wyoming Ave.
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KNOTT, C. O. (168)	1006 Eye St. S. E.
KOTZ, J. (168)	Medical Science Bldg.
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KRAMER, S. E. (5)	Franklin School Bldg.
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LAMORE, B. H. (16)	Silver Spring, Md.
LAPHAM, J. R. (9)	807 Quackenbos St.
LARNER, J. B. (5)	Wash. Loan and Trust Co.
LaSALLE, J. E. (15)	Dennison School
LATIMER, J. W. (231)	14 Newlands St.
LAWSON, H. W. (159)	1706 Rhode Island Ave.
LAZO, H. (16)	3721 S St.
LEADBEATER, G. W. (169)	The Farragut
LEE, T. S. (163)	2109 O St.
LEECH, F. (163)	1359 Columbia Rd.
LEPPER, H. A. (16)	Silver Spring, Md.
LEWIS, E. (169)	Children's Hospital
LEWIS, H. S. (167)	2839 Connecticut Ave.

LEWIS, N. D. C. (14)	St. Elizabeth's Hospital
LEWIS, W. M. (8)	3021 N St.
LIND, J. E. (167)	St. Elizabeth's Hospital
LISNER, A. (5)	Palais Royal
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LUNDIN, E. (209)	1339 H St.
LYONS, J. H. (169)	1344 19th St.
McARTHUR, L. E. (14)	2112 F St.
McCawley, W. E. (168)	Providence Hospital
McCloskey, W. T. (17)	Beaumont, Va.
McFall, J. M. (231)	924 N. Charles St., Baltimore, Md.
McKimmie, O. A. M. (163)	The Valois, Md.
McLendon, P. A. (165)	1743 P St.
McNEIL, H. C. (14)	1210 Decatur St.
MACATEE, H. C. (160)	1378 Harvard St.
MACKALL, G. M. (14)	2033 G St.
MacMILLAN, J. T. (15)	207 A St. N. E.
MAIN, D. C. (165)	St. Elizabeth's Hospital
MALLORY, W. J. (160)	1720 Connecticut Ave.
MALONE, W. P. (169)	Emergency Hospital
MALONEY, J. P. (169)	Gallinger Memorial Hospital
MANN, C. R. (5)	26 Jackson Place
MANN, J. T. (168)	1746 K St.
MARBURY, W. B. (165)	1015 16th St.
MARTIN, T. C. (159)	The Rochambeau
MARTYN, H. (167)	1335 H St.
MASON, J. P. (17)	2033 G St.
MASON, J. R. (17)	Mt. Ranier, Md.
MASON, L. M. (168)	815 Connecticut Ave.
MERRILL, G. P. (13)	1422 Belmont St.
MERRITT, E. A. (164)	1821 Connecticut Ave.
MEYER, J. F. (16)	3727 Jocelyn St.
MICHELSON, T. (14)	Smithsonian Institution
MIDDLETON, W. (15)	2033 G St.
MILLER, C. A. (231)	2531 Que St.
MILLER, G. B. (163)	1730 K St.
MILLER, H. (8)	University Club
MINOR, J. (168)	1742 M St.
MITCHELL, J. F. (163)	1344 19th St.
MOFFETT, D. B. (169)	Emergency Hospital
MOLL, W. L. (231)	1705 Lanier Pl.
MOODY, T. (168)	Providence Hospital
MORAN, R. E. (168)	Providence Hospital
Moss, F. A. (14)	209 Virginia Ave., Clarendon, Va.
MUNROE, C. E. (13)	1210 16th St.
NEWHOUSE, B. (169)	Emergency Hospital
NEWMAN, H. C. (231)	1435 K St.
NORDLINGER, G. (168)	George Washington Univer- sity Hospital
NOYES, T. W. (5)	The Evening Star
O'CONNELL, F. C. (231)	U. S. Court House
O'Dea, Marie (167)	The Brunswick



OLIVER, E. H. (231)	Interstate Com. Com.
OLIVER, F. N. (231)	Interstate Com. Com.
O'MALLEY, M. (165)	St. Elizabeth's Hospital
ONG, HARRY (162)	1768 Columbia Road
O'ROURKE, L. J. (16)	2033 G St.
PAGE, M. R. (168)	George Washington University Hospital
PANARETOFF, S. (15)	2033 G St.
PAYNE, J. B. (5)	1601 Eye St.
PEABODY, J. W. (167)	4107 14th St.
PENDEXTER, R. S. (166)	The Champlain Apts.
PFAFF, H. I. (167)	1305 Rhode Island Ave.
PHILBRICK, M. (209)	1335 H St.
PHILLIPS, F. M. (15)	1433 Shepherd St.
PHILLIPS, G. W. (14)	612 18th St.
PLATT, J. H. (14)	1342 Jefferson St.
POLE, S. B. (168)	Medical Science Bldg.
POWERS, J. O. (15)	2033 G St.
PRENTISS, A. M. (15)	1728 Corcoran St.
PROTZMAN, M. I. (15)	1102 Irving St.
PUTZKI, P. S. (168)	911 16th St.
QUICK, MARY E. (17)	4520 14th St.
RAGATZ, L. (16)	2146 F St.
RANDOLPH, B. M. (160)	2010 R St.
RANDOLPH, J. R. (15)	2033 G St.
REED, J. A. (168)	3100 Connecticut Ave.
RESSER, C. E. (14)	2805 35th St.
REUTER, F. A. (168)	St. Elizabeth's Hospital
RICHARDSON, C. W. (158)	1317 Connecticut Ave.
RICHARDSON, E. E. (13)	1001 Alabama Ave. S. E.
RICHMOND, WINIFRED (15)	2033 G St.
ROBERTS, G. L. (17)	The Woodland
ROE, J. H. (14)	1906 N St.
ROESER, W. F. (16)	2033 G St.
ROSE, A. L. (8)	The Pentilly
ROSS, W. W. (231)	1618 29th St.
ROTH, G. B. (161)	801 Butternut St.
RIDDICK, A. L. (169)	Emergency Hospital
RUEDIGER, W. C. (8)	2836 28th St.
RUFFIN, S. (158)	Connecticut Apts.
SCHAPIRO, I. (13)	Library of Congress
SCHATZ, E. (8)	1840 2nd St.
SCHMIDT, A. F. W. (8)	35 Bryant St.
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SCHOENFELD, H. H. (168)	Wardman Park Hotel
SCHOFF, ETHEL (209)	1335 H St.
SCHRIEBER, F. C. (169)	The Montana
SCHRIEBER, H. R. (167)	500 H St. N. E.
SEIBERT, E. G. (164)	1545 Eye St.
SHANDS, A. R. (163)	901 16th St.
SHANNON, R. C. (16)	2033 G St.
SHANNON, MRS. R. C. (17)	2033 G St.
SHAPIRO, H. D. (168)	George Washington University Hospital
SHIVER, T. (—)	625 Maryland Ave. N. E.
SHUGRUE, J. J. (168)	Providence Hospital

SHUTE, D. K. (158)	1727 DeSales St.
SILVESTER, R. L. (167)	Farragut Apts.
SIMPSON, C. A. (161)	1510 20th St.
SIMS, W. B. (168)	The Connecticut Apts.
SMILER, N. N. (169)	1103 P St.
SMITH, A. L. (16)	2127 P St.
SMITH, C. S. (9)	304 Takoma Ave., Takoma Park
SNOWDEN, E. (166)	1900 S St.
SOLNITZKY, O. (16)	1523 Newton St.
SPAULDING, H. G. (9)	1705 Lanier Pl.
SPEIDEL, F. G. (165)	The Rochambeau
STAFFORD, W. P. (231)	1725 Lamont St.
STAVELY, A. L. (163)	1744 M St.
STOUT, J. D. (161)	3000 Porter St.
SUTTON, H. G. (14)	2803 26th St. N. E.
SUTTON, L. H. (231)	1320 Gallatin St.
SWISHER, C. C. (13)	1810 Kalorama Road
TAYLOR, E. A. (169)	1029 Vermont Ave.
TELFORD, F. (15)	2033 G St.
TEWKSBURY, W. D. (164)	Medical Science Bldg.
THOMPSON, B. B. (209)	1339 H St.
THOMPSON, J. L. (160)	1735 20th St.
TIBBETS, A. P. (168)	Medical Science Bldg.
TILLEMA, J. A. (16)	1923 N St.
TITUS, E. W. (165)	The Rochambeau
TOWNSEND, J. W. (231)	Albee Bldg.
TUCKERMAN, W. R. (5)	Bethesda, Md.
UPDEGRAFF, C. M. (231)	1435 K St.
VALAER, P. (16)	3211 Adams Mill Rd.
VAN EVERA, B. D. (17)	2033 G St.
VAN ORSTRAND, C. E. (15)	1608 31st St.
VAN VLECK, W. C. (8)	4120 Harris St.
VAZQUEZ, A. C. (16)	25 Michigan Ave. N. E.
WALLIS, W. J. (16)	1720 Kenyon St.
WANLASS, S. A. (167)	1133 13th St.
WARDMAN, H. (5)	1430 K St.
WARNER, O. N. (161)	2033 G St.
WEEMS, B. F. (167)	1621 Que St.
WEISZ, E. (16)	2033 G St.
WEST, W. R. (16)	658 Fifth St. N. E.
WHITE, C. S. (162)	911 16th St.
WHITE, H. (5)	2 W. 52d St., New York
WHITE, W. A. (159)	St. Elizabeth's Hospital
WILBUR, W. A. (8)	1205 Columbia Rd.
WILLIAMS, V. B. (169)	3624 Davis St.
WILLIAMSON, F. Y. (168)	The Rochambeau
WILLIMAN, F. L. (168)	2731 Connecticut Ave.
WILSON, J. H. (15)	1216 Floral St.
WOLFE, A. S. (209)	1335 H St.
WOODHULL, C. H. (5)	1767 Massachusetts, Ave.
YARROW, H. C. (158)	814 17th St.
YOUNG, W. G. (169)	Emergency Hospital

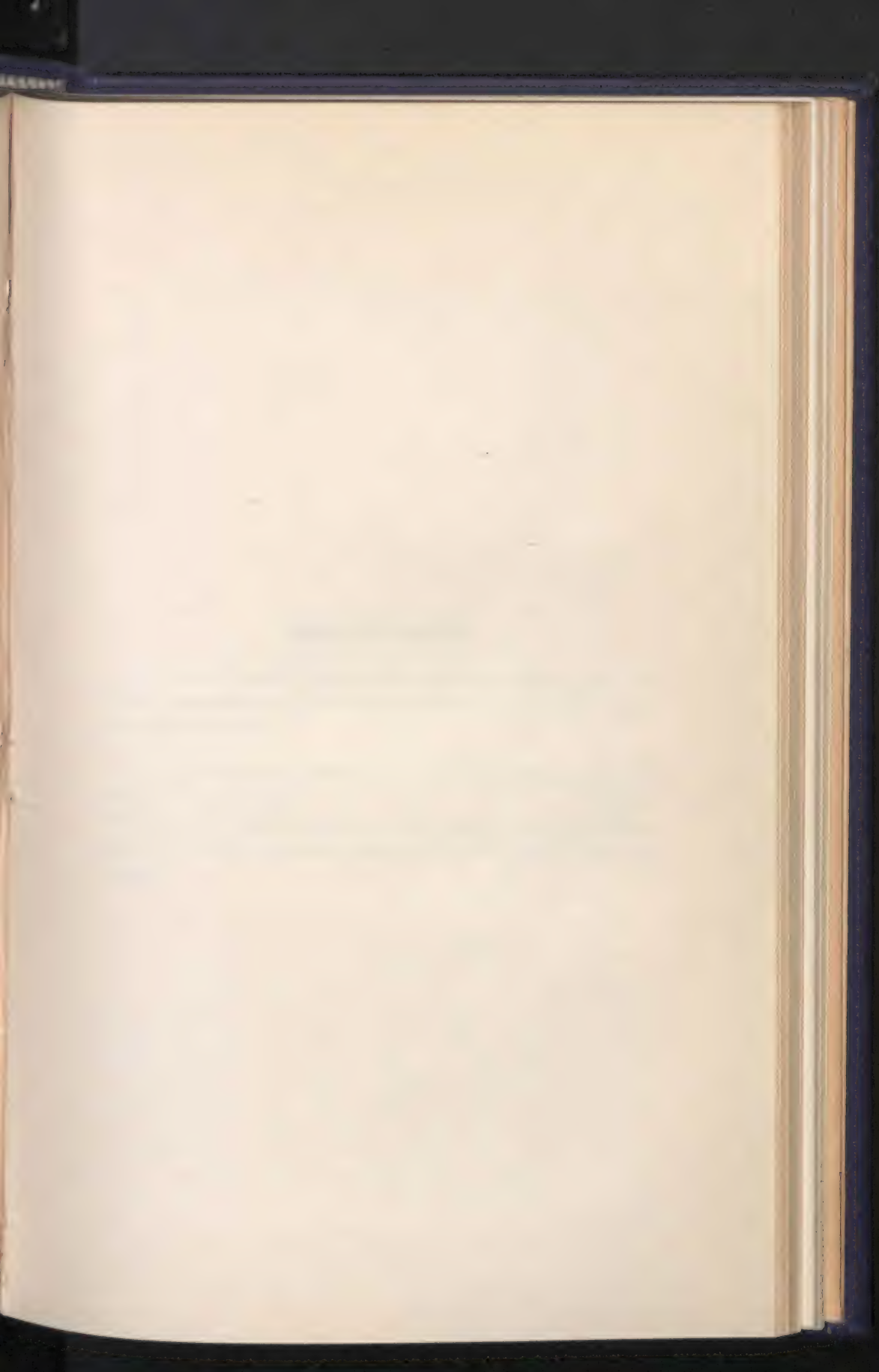


# INDEX

	Page		Page
Administrative Officers	8	Education	98, 149
Admission Requirements:		Educational Organisation	10
Columbian College	25, 26, 44	Electrical Engineering	101
Engineering College	52	Engineering, College of	52
Graduate Studies, School of	19	English	104, 151
Law School	235	Entrance Examinations	26
Medical School	175	Ethics	201
Nurses School	211	Ethnology	106
Pharmacy, School of	217	Faculties:	
Summer School	139	Arts and Sciences	13
Teachers College	64	Columbian College	18
Allied Associations	348	Engineering College	18
Anatomy	186	Graduate Studies, School of	18
Applied Mathematics	74	Law School	231
Archaeology	75	Medical School	158
Architecture	76	Pharmacy, School of	215
Arts and Sciences:		Summary	330
Department of	13	Summer School	142
Courses of Instruction	74	Teachers College	18
Art, History of	75	Fees:	
Assemblies	11, 141	Arts and Sciences	41
Astronomy	79, 147	Law School	243, 248
Astro-Physics	79	Medical School	206
Bacteriology	80, 154, 190, 228	Pharmacy, School of	228
Benchers	246	Summer School	140
Board	208	Foreign Service	50
Botany	81, 147	French	131, 151
Calendar	3	Genito-Urinary Diseases	199
Chapel	41	Geographical Distribution	329
Chemistry	82, 147, 189, 225	Geology	107, 152
Civil Engineering	87	German	109, 152
Classical Languages	90	Graduate Studies	19
Classical Literature	92	Greek	90
Clinics	202	Gynecology	201
Columbian College	44	History	110, 153
Columbian Women	349	History of the University	10
Combination Courses	48, 49	Home Economics	115
Commencement	11	Hospital	210
Commerce	92, 148	Hospital, Lady Managers	210
Convocation	11	Hospital, Staff	170
Council, President's	9	Hygiene	129, 192, 226
University	7	Institutions, Governmental, Privileges	
Degrees Conferred	331	in	11
Degrees, Requirements for:		Italian	136
A.B.	44, 64	Jurisprudence, Medical	196
A.M.	20	Latin	91
B.S. in Ad.E.	62	Laryngology	199
B.S. in Arch.	60	Law School	231
B.S. in Chem.	59	Library	11, 173, 235
B.S. in Ch.Eng.	58	Library Science	116, 154
B.S. in C.E.	55	Materia Medica	227
B.S. in E.E.	56	Mathematics	116, 154
B.S. in M.E.	57	Mechanical Drawing	118
B.S. in Phar.	219	Mechanical Engineering	119
B.S. in Physics	61	Medical School	158
LL.B.	237	Medical Society	205
LL.M.	237	Medicine	193
M.D.	204	Meteorology	112
M.P.L.	238	Microscopy	80, 155, 192, 227
M.S. in Eng.	20	Military Surgery	199
M.S. in Chem.	20	Mineralogy	107
M.S. in Arch.	20	Nautical Science	122
Ph.D.	21	Neurology	195
Dermatology	196	Nursing, School of	209
Diagnosis	194, 196	Obstetrics	200
Directory	350	Ophthalmology	199
Dispensary, Staff	170	Orthopedics	198
Drawing	118	Otology	199
Economics	94, 149	Pathology	190

	Page		Page
Pediatrics	196	Semetics	136
Pharmacognosy	224	Sociology	94, 149
Pharmacology	188, 227	Spanish	133, 156
Pharmacy, School of	215	Students:	
Pharmacy	222	Arts and Sciences, Department of	253
Philosophy	123, 155	Columbian College	262
Physics	123, 155	Engineering, College of	283
Physiology	187, 227	Graduate Studies, School of	253
Political Science	126, 155	Law School	307
Portuguese	136	Medical School	302
Powell Foundation	34	Pharmacy, School of	306
Pre-Medical Courses	49	Summer School	292
President's Council	9	Teachers College	288
Preventive Medicine	129, 192	Student Activities	12
Prizes:		Summary	330
Arts and Sciences, Department of	36	Summer School:	
Law School	246	Arts and Sciences	139
Medical School	204	Law	243
Public Service Courses	49	Surgery	197
Psychiatry	195	Teachers' Appointment Bureau	66
Psychology	130, 156	Teachers College	64
Roentgenography	200	Teachers' Diploma	64
R. O. T. C.	205	Therapeutics	189
Romance Languages	131	Theses, Regulations Regarding	24
Rooms	208	Tropical Medicine	195
Schedule	67, 144, 181, 220	Trustees	5
Scholarship Requirements	25	University Council	7
Scholarships:		Withdrawals	207, 230
Arts and Sciences, Department of	24, 32	Y. M. C. A.	205
Law School	249	Zoology	137, 157









## FORM OF BEQUEST

One hundred thousand dollars will establish a chair, five thousand dollars a scholarship, and one thousand dollars a prize, in any department of the University.

"I give and bequeath to the George Washington University, of Washington, D. C., the sum of \_\_\_\_\_ dollars, free from legacy duty or tax, the same to be used as its Board of Trustees may determine (or, in case of a special gift, stating the terms of the gift)."

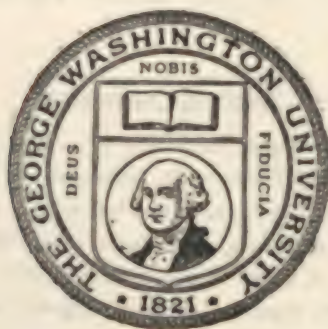




# GEORGE WASHINGTON UNIVERSITY

WASHINGTON, D. C.

Courses for  
Social Service Workers



1925 - 1926

The following courses in the field of Social Service are offered for the school year beginning September 23, 1925:

### First Semester

*Mental Hygiene* (Psychology 36).—Types of normal and abnormal human behavior; the relation between mental ill-health and anti-social conduct; individual differences; the meaning of mental tests and examinations; mental hygiene problems of childhood and adolescence. Opportunity will be given at clinics to observe the various mental types discussed. *Tues.* and *Thurs.* at 5:10 p. m. Two semester-hour credits. DR. RICHMOND.

*Child Welfare* (Economics 37).—Problems of the neglected, dependent, mentally defective, physically handicapped and delinquent child; institutions; child placing; aid to dependent children in their own homes; the juvenile court; public and private agencies concerned with child welfare. In addition to the regular lectures, directors or members of the staffs of various organizations will discuss their methods and the problems dealt with. *Tues.* and *Thurs.* at 6:05. Two semester-hour credits. MISS LUNDBERG.

### Second Semester

*Social Service Case Work* (Economics 36).—The topics discussed will include the field of social case work, investigations, social diagnosis, co-operation, social resources, adaptation of special resources to special needs, recording of case data, methods of reporting, handling of problem cases, housing. A series of case records will be studied to illustrate the processes. Thirty class periods and forty-five hours of field work. *Tues.* and *Thurs.* at 5:10. Three semester-hour credits. MISS DIX-WIDDIE.

*Community Organization* (Economics 38).—A study of community resources for social work. The course will be divided into three parts, dealing with history, theory, and practice. The first part will show the transition from the monastic period to the period when communities had developed, will discuss English experiences and practices, and will bring out the birth of modern social work. The second part will deal with social organization, social control, etc. The third part, which will comprise the main body of the course, will deal with such topics as the





development of community social agencies, charity organizations, co-operation, and fund-raising. *Tues.* and *Thurs.* at 6:05. Two semester-hour credits. MR. HYDE.

In addition to the courses outlined above, courses in the following fields are also available at hours convenient for social workers: Economics and Sociology, Education, History, Home Economics, Political Science, Preventive Medicine and Public Hygiene, and Psychology.

For lists and descriptions of courses in these fields, students are referred to the general catalogue of the University.

Address inquiries to

THE REGISTRAR,  
2033 G Street N. W.,  
Washington, D. C.



VOLUME XXIV

NUMBER 3

# George Washington University Bulletin

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REPORT OF THE TREASURER

1924-1925



PUBLISHED BY THE UNIVERSITY  
WASHINGTON, D. C.





# George Washington University Bulletin

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REPORT OF THE TREASURER  
for the year ended August 31, 1925

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Volume XXIV, Number 3  
October, 1925

PUBLISHED BY THE UNIVERSITY AT WASHINGTON, D. C.  
MARCH, JUNE, OCTOBER AND DECEMBER

Entered October 6, 1904, at Washington, D. C., as second-class matter  
under Act of Congress of July 16, 1894.





## Report of the Treasurer.

October 13, 1925.

THE BOARD OF TRUSTEES OF GEORGE WASHINGTON UNIVERSITY:

GENTLEMEN: I have the honor to submit herewith a report, certified by F. W. Lafrentz and Company, of New York, Public Accountants, showing in detail the financial operations of the University for the fiscal year ended August 31, 1925, and exhibiting the state of the Trust Funds, as required by the By-Laws of the University.

The Total Net Resources of the University as at August 31, 1925, were \$1,875,511.41, a gain for the year of \$219,915.96, as shown in the following comparative summary of Assets and Liabilities.

### COMPARATIVE SUMMARY OF ASSETS AND LIABILITIES, 1923-24 AND 1924-25.

	<i>Assets.</i>				
	<i>1923-24</i>	<i>1924-25</i>	<i>Increase.</i>	<i>Decrease.</i>	<i>Net Increase.</i>
Cash, General Funds	\$64,773.35	\$22,401.94	.....	\$42,371.41	.....
Cash, Endowment Income.....	10,912.70	17,757.21	\$6,844.51	.....	.....
Endowment Funds.	639,818.24	784,752.11	144,933.87	.....	.....
Real Estate, exclusive of Endowment Funds.....	1,391,693.37	1,582,481.84	190,788.47	.....	.....
Library Books.....	57,911.35	61,137.89	3,226.54	.....	.....
Equipment.....	140,696.20	192,752.38	52,056.18	.....	.....
Perpetual Insurance Deposits.....	1,406.25	1,406.25	.....	.....	.....
Accounts Receivable	36,784.83	31,710.46	.....	5,074.37	.....
Prepaid Salaries.....	240.00	.....	.....	240.00	.....
Prepaid Expenses ..	.....	612.25	612.25	.....	.....
	<u>\$2,344,236.29</u>	<u>\$2,695,012.33</u>	<u>\$398,461.82</u>	<u>\$47,685.78</u>	<u>\$350,776.04</u>

	<i>Liabilities.</i>				
	<i>1923-24</i>	<i>1924-25</i>	<i>Increase.</i>	<i>Decrease.</i>	<i>Net Increase.</i>
Notes Payable.....	\$340,580.32	\$464,183.58	\$123,603.26	.....	.....
Liability to Endowment Funds.....	344,881.55	342,881.55	.....	\$2,000.00	.....
Accrued Interest not due.....	1,022.15	3,846.60	2,824.45	.....	.....
Accounts Payable..	205.00	.....	.....	205.00	.....
Prepaid Tuition....	.....	6,845.50	6,845.50	.....	.....
Prepaid Hospital Accounts.....	1,951.82	.....	.....	1,951.82	.....
Reserve for prize not awarded.....	.....	175.00	175.00	.....	.....
Refunds due students.....	.....	1,568.69	1,568.69	.....	.....
	<u>\$688,640.84</u>	<u>\$819,500.92</u>	<u>\$135,016.90</u>	<u>\$4,156.82</u>	<u>\$130,860.08</u>
Total Net Resources.....	<u>\$1,655,595.45</u>	<u>\$1,875,511.41</u>	.....	.....	.....
Increase of Net Resources.....	.....	.....	.....	.....	<u>\$219,915.96</u>

Trust Funds were increased during the year \$154,909.16 as follows: Founders of Columbian Women Scholarship Fund, \$1,230.00; Third Columbian Women Scholarship Fund, \$270.00; E. V. Brown Scholarship Fund, \$1,200.00; Lewis Medical Fund (net), \$100,000.00; Board of Lady Managers Hospital Fund, \$200.00; Denman Law Fund, \$130.95; Jacques Law Fund, \$300.39; Jacques Medical Fund, \$311.12; Mayer Hospital Fund, \$259.75; Sinking Fund for protection of investments, \$285.69; Acker Fund, \$300.00; Joerrissen Hospital Fund, \$750.00; Lafayette Memorial Fund, \$1,540.08; Maury Memorial Fund, \$1,880.50; Stockton Memorial Fund, \$1,050.00; Law School Building Fund, \$11.24; Chemistry Building Fund, \$6.86; Endowment Restoration and Accretion Fund, \$182.58; Endowment Campaign Fund, \$45,000.00. Trust Funds were decreased as follows: General Building Fund \$9,975.29 expended on the Gymnasium—a net increase of \$144,933.87.

New Trust Funds included in the preceding paragraph were received during the year as follows: Third Columbian Women Scholarship Fund, \$270.00; E. V. Brown Scholarship Fund, \$1,200.00; Lewis Medical Fund (net), \$100,000.00; Board of Lady Managers Hospital Fund, \$200.00; Acker Fund, \$300.00; Joerrissen Hospital Fund, \$750.00; Lafayette Memorial Fund, \$1,540.08; Maury Memorial Fund, \$1,880.50; Stockton Memorial Fund, \$1,050.00.

Real Estate used for educational purposes or acquired for future buildings is valued at \$1,582,481.84, an increase of \$190,788.47. The increase is accounted for as follows: Corcoran Hall Construction, \$139,271.00; Gymnasium Construction, \$18,277.69; Stockton Hall Construction, \$11,002.24; 2024 H Street, \$12,000.00; 2026 H Street, \$10,237.44.

Notes Payable are outstanding against the General Funds amounting to \$464,183.58 as follows:

Secured by deeds of trust:	
722 to 728 Twentieth Street.....	\$10,500.00
808 Eye Street.....	8,000.00
1435 K Street.....	70,000.00
1016 Thirteenth Street.....	4,500.00
2010-2012 H Street.....	20,000.00
2024 H Street.....	8,000.00
2026 H Street.....	6,000.00
720 Twentieth Street.....	2,754.00
725 Twenty-first Street.....	250,000.00
	<hr/> \$379,754.00
Unsecured:	
Riggs National Bank.....	\$56,000.00
Wardman Construction Company.....	28,429.58
	<hr/> \$84,429.58
	<hr/> \$464,183.58

Notes Payable against the Lewis Endowment amount to \$45,000.00. The property bequeathed by Dr. S. E. Lewis is valued at \$145,000.00. To clear the estate of debt and to enable the Executor to transfer the property to the University, the Board authorized the placing of the \$45,000.00 mortgage, leaving a net valuation of \$100,000.00. See "Lewis Medical School Endowment Fund" in Exhibit "N."

Laboratory Equipment and Furniture are valued, after writing off depreciation of \$3,510.34, at \$192,752.38, an increase by purchase of \$52,056.18.



Books in the Libraries are valued, after writing off depreciation of \$673.75, at \$61,137.89, an increase by purchase of \$3,226.54.

Contributions, other than those reported under Trust Fund increases, were received during the year as follows:

From the Students' Council for the Gymnasium, \$1,904.10; Student Activities for the Gymnasium, \$2,000.00; Miscellaneous, \$403.25; Board of Trustees for Medical repairs, \$1,225.00; various donations for a piano fund, \$272.22; various donations from the Board of Trustees for the Council Room, \$60.00; various donations for prizes, \$110.00; Social Hygiene Society, \$500.00; Soroptomist Club, \$200.00; a total of \$6,674.57.

**Property Under Lease** used for educational purposes:

2022 G Street N. W., three years from October 1, 1925, at \$1,800.00 per annum.

**Accounts Receivable** from students at the close of the fiscal year August 31, 1925, amounted to \$15,351.55. This includes charges against the Veterans' Bureau of \$5,344.88, leaving due by other than government students \$10,006.67, or one and six-tenths per cent of the total charges against students as at August 31, 1925. This is the lowest percentage of unpaid fees ever recorded at the close of a fiscal year. Judging from experience in former years, several thousand dollars of the outstanding amount will be paid by reentering students in the first semester of 1925-1926.

**Cash Receipts and Payments** are summarized as follows:

Cash in bank September 1, 1924.....	\$62,648.35	
Cash received 1924-1925.....	892,026.82	
		\$954,675.17
Disbursed 1924-1925.....		931,554.31
Cash in bank August 31, 1925.....	\$23,120.86	

A statement in detail of cash receipts and payments for the fiscal year is shown in Exhibit "M" of this report.

Respectfully submitted,

CHARLES W. HOLMES,  
*Treasurer.*

## Report of F. W. Lafrentz & Co.

October 8, 1925.

We have examined the accounts and records of the GEORGE WASHINGTON UNIVERSITY for the year ended August 31, 1925.  
Our report, including Exhibits, is as follows:

### EXHIBIT "A"—Balance Sheet.

- "B"—Surplus.
- "C"—Revenue Account.
- "D"—Department of Arts and Sciences.
- "E"—Department of Arts and Sciences—Summer School.
- "F"—Law School.
- "G"—Law Summer School.
- "H"—Medical School.
- "I"—Medical Summer School.
- "J"—College of Pharmacy.
- "K"—University Hospital.
- "L"—Student Activities.
- "M"—Statement of Cash Receipts and Payments.
- "N"—Trust Funds.
- "O"—Endowment Funds Investments.
- "P"—Executory Trust Funds Investments.
- "Q"—Endowment and Executory Trust Funds, Income and Expense.

CASH: \$22,401.94.

We counted the cash on hand September 29, 1925, and reconciled the Cash Account with the Bank Account as at August 31, 1925.

ACCOUNTS RECEIVABLE: \$31,710.46.

This amount consists of Fees, etc., due for the term of 1923-1924, from students in the various departments, and other Accounts Receivable, as follows:

School of Graduate Studies.....	\$475.50	
Columbian College.....	5,720.67	
College of Engineering.....	1,429.97	
Teachers College.....	94.85	
Summer School.....	2,684.79	
Total Department of Arts and Sciences.....		\$10,405.78
Law School.....	2,944.19	
Law Summer School.....	1,519.00	
		4,463.19
Medical Summer School.....		274.85
College of Pharmacy.....		107.73
Graduation Fees.....		100.00
Accounts due University Hospital from patients for the year 1924-1925.....		5,783.05
Student Activities.....		3,262.96
Income from Endowments.....		7,262.90
Home Building Association.....		40.00
Pi Beta Phi Fraternity.....		10.00
		<u>\$31,710.46</u>



## AUDITOR'S REPORT

7

The balances standing in accounts due at September 1, 1923, remaining unpaid as at August 31, 1925, are considered worthless and were charged to Surplus.

### DEPRECIATION:

Depreciation on the Library Books and Equipment was charged off to the amount of \$4,184.09.

### NET INCOME:

The Net Income for the year from all departments, including the University Hospital, was \$24,156.95, as shown by Exhibit "C."

SURPLUS: \$1,073,002.09.

The changes in this account since August 31, 1924, are shown by Exhibit "B."

### TRUST FUNDS:

We inspected the securities representing the investments of the Endowment and Executory Trust Funds, in stocks, bonds, and notes, as per Exhibits "O" and "P." The notes are without arrears for interest, except the Benj. F. Raines note of \$2,150.00, upon which interest is due from March 13, 1924; some bonds have matured and some have been called; we understand these matters are being attended to.

We verified the cash balances as at August 31, 1925, representing uninvested principal \$36,568.59, and unexpended income \$17,757.21, of the Endowment and Executory Trust Funds with the bank accounts.

Respectfully submitted,

F. W. LAFRENTZ & Co.,  
*Certified Public Accountants.*  
(Formerly The American Audit Co.)





GENERAL ACCOUNTS

EXHIBIT "A."  
BALANCE SHEET.  
As at August 31, 1925.

Assets.		Liabilities.	
Cash:		Trust Notes.....	\$379,754.00
In Bank.....	\$20,276.94	Other Notes.....	84,429.38
Petty Cash Funds.....	2,125.00		\$464,183.58
Accounts Receivable:		Accounts Payable:	
Students Ledger, 1924-1925....	15,861.59	Interest Accrued.....	3,846.60
Hospital Accounts, 1924-1925..	5,783.05	End Prize.....	175.00
Endowment Income Receivable..	7,262.90	Credit Balances Students Ac-	
Student Activities.....	2,752.92	counts Receivable 1924-	
Home Building Association.....	40.00	1925.....	1,568.69
Pi Beta Phi Fraternity.....	10.00		
Insurance:		Fees Paid in Advance.....	5,590.29
Withdrawal Value of Perpetual		Liability to Endowment Funds:	6,845.50
Insurance Policies.....		Principal—	
Libraries—Books:		Secured by Deed of Trust,	
Arts and Sciences.....	35,547.14	dated Dec. 1, 1910, on	
Law School.....	26,393.34	Medical and Hospital Lands	
Medical School.....	6,435.21	and Buildings, 1335-1339	
		and 1341 H St. N. W.....	321,430.23
Less: Depreciation.....	68,375.69	Liability of the University General	
	7,237.80	Property:	
Equipment:		To Denman Fund—Principal..	7,179.32
Administration.....	8,726.12	To Specific Endow-	
Arts and Sciences.....	109,669.16	ment Funds In-	
Law School.....	6,379.19	come, which was	
Medical School.....	50,743.41	applied to current	
University Cafeteria.....	734.00	expenses prior to	
University Hospital.....	39,135.00	August 31, 1910..	\$16,272.00
		Less: Payments in	
Less: Depreciation.....	215,386.88	current year....	2,000.00
	22,634.50		14,272.00
Real Estate.....		Surplus: Exhibit "B" .....	21,451.32
Prepaid Expenses.....			1,073,002.09
	192,752.38		
	1,582,481.84		
	612.25		
	\$1,892,503.01		
			\$1,892,503.01



<i>Trust Funds and Investments.</i>		<i>Trust Funds Exhibit "N".</i>	
<i>Trust Fund Investments:</i>		<i>Endowment Funds, Exhibit "O"</i>	<i>Endowment Funds, Exhibit "N"</i>
Endowment Funds, Exhibit "O"	\$766,880.45	Endowment Funds	\$747,220.37
Executory Trust Funds, Exhibit "P"	26,303.07	Executory Trust Funds	37,531.74
Cash on Hand for Investment, August 31, 1925:		Trust Notes	\$784,752.11
Endowment Funds, Exhibit "O"	25,339.92	Surplus	45,000.00
Executory Trust Funds, Exhibit "P"	11,228.67		17,757.21
Cash on Hand, Unexpended Income, August 31, 1925, Exhibit "Q"			
	17,757.21		
	<u>\$847,509.32</u>		<u>\$847,509.32</u>

## NOTE:

Surplus General Property	\$1,073,002.09
Trust Funds	784,752.11
Unexpended Trust Funds Income	17,757.21
Total Net Resources	<u>\$1,875,511.41</u>

## REPORT OF THE TREASURER

EXHIBIT "B."  
SURPLUS.

As at August 31, 1925.

Balance September 1, 1924.....	\$1,004,864.51
<i>Add:</i>	
Old Accounts Collected.....	\$1,743.56
Additional Tuition Prior Year.....	1,682.34
From Treasurer of Building and Endowment Fund.....	55,000.00
Net Income of University for the year ended August 31, 1925, transferred from Revenue Account, Exhibit "C".....	24,156.95
	<hr/>
	82,582.85
	<hr/>
	\$1,087,447.36
<i>Deduct:</i>	
Uncollectible Accounts Prior Year.....	9,429.19
Tuition Refunds and Allowances, Prior Year.....	1,478.67
Cafeteria Purchase, Prior Year.....	50.40
Old Cafeteria Equipment Written Off....	1,576.81
Endowment Fund Campaign Expenses...	1,910.20
	<hr/>
	14,445.27
	<hr/>
Balance, August 31, 1925, Exhibit "A".....	<u><u>\$1,073,002.09</u></u>



## GENERAL ACCOUNTS

13

EXHIBIT "C."  
REVENUE ACCOUNT.

For the year ended August 31, 1925.

*Income.*

Department of Arts and Sciences, Exhibit "D" .....	\$15,367.32
Law School, Exhibit "F" .....	20,613.53
Medical School, Exhibit "H" .....	6,754.19
College of Pharmacy, Exhibit "J" .....	1,253.76
University Hospital, Exhibit "K" .....	6,510.29
Student Activities, Exhibit "L" .....	559.62

## Assessment for General Expenses:

Department of Arts and Sciences, Exhibit "D" .....	\$65,352.73
Law School, Exhibit "F" .....	20,356.86
	<hr/> 85,709.59

Income from Endowments for General Purposes .....	7,662.90
---	----------

## Income from Other Sources:

Commissions .....	818.29
Graduation Fees .....	6,064.00
Interest on Bank Deposits .....	1,599.31
Rents—Net .....	355.71

## Contributions:

Students Council .....	\$1,904.10
Student Activities .....	2,000.00
Piano Fund .....	272.22
Miscellaneous .....	190.00
	<hr/> 4,366.32

Miscellaneous .....	504.76
	<hr/> 13,708.39

*Expenses.*

\$158,139.59

## Administrative Expenses:

## Administration Hall—

Heat and Light .....	\$524.34
Wages .....	1,623.29
Repairs .....	902.34
Supplies and Expense .....	43.62
	<hr/> 3,093.59

Advertising .....	2,983.64
Auditing .....	750.00
Commencement Expenses .....	7,018.43
Depreciation of Equipment .....	174.52
Insurance .....	2,846.09
Legal .....	250.00
Sundry Supplies and Expenses .....	3,957.20
Postage .....	3,139.27
Salaries and Wages .....	49,887.27
Stationery and Printing .....	5,399.58
Telephone and Telegrams .....	1,515.73
Transferred to Medical School, Exhibit "H" .....	21,430.66
President's Emergency Expenses .....	3,705.09
Traveling Expenses .....	1,994.35
	<hr/> 108,145.42

Interest .....	\$24,896.02
Taxes .....	941.20
	<hr/> 25,837.22
	<hr/> 133,982.64

Net Income for the year ended August 31, 1925, transferred to Surplus Account, Exhibit "B" .....

\$24,156.95

## EXHIBIT "D."

## DEPARTMENT OF ARTS AND SCIENCES.

For the year ended August 31, 1925.

*Income.*

<b>Tuition:</b>		
School of Graduate Studies.....	\$23,078.50	
Columbian College.....	208,594.49	
College of Engineering.....	50,996.95	
Teachers College.....	36,967.00	
		<u>\$319,636.94</u>
<b>Matriculation:</b>		
School of Graduate Studies.....	770.00	
Columbian College.....	5,616.00	
College of Engineering.....	1,134.00	
Teachers College.....	1,110.00	
		<u>8,630.00</u>
<b>Laboratory:</b>		
School of Graduate Studies.....	158.25	
Columbian College.....	5,909.81	
College of Engineering.....	3,619.25	
Teachers College.....	489.35	
		<u>10,176.66</u>
<b>Other Income:</b>		
Contributions—		
Social Hygiene Society.....	\$500.00	
Soroptimist Club.....	200.00	
Prizes:		
Fraternities.....	35.00	
McCutchins.....	40.00	
		<u>775.00</u>
Miscellaneous.....	8.49	
		<u>783.49</u>
		<u>\$339,227.09</u>

*Expenses.*

Salaries and Wages.....	\$194,766.05
Laboratories.....	10,832.58
Stationery and Printing.....	8,744.35
Library.....	1,542.39
McCutchins Prizes.....	40.00
Fraternity Prizes.....	35.00
Postage.....	1,533.34
Proctors.....	291.00
Insurance.....	161.80
Traveling Expense.....	124.39
Advertising.....	144.75
Depreciation on Equipment.....	2,193.38
Depreciation on Library Books.....	355.47
Miscellaneous Supplies and Expenses.....	3,499.30
<b>University Hall:</b>	
Wages.....	\$15,727.42
Insurance.....	364.80
Rent.....	1,500.00
Heat and Light.....	9,112.78
Repairs.....	11,976.62
Water.....	179.99
Hauling.....	581.90
Supplies and Expenses.....	2,928.62
	<u>42,372.13</u>
Less: Rent of Fraternity Rooms..	<u>1,303.00</u>
	<u>41,069.13</u>



## GENERAL ACCOUNTS

15

Contribution to American School of Classical Studies at Athens.....	\$200.00	
Transferred to General Fund, Exhibit "C"....	65,352.73	
Transferred to College of Pharmacy, Exhibit "J".....	1,000.00	
		<u>\$331,885.66</u>
		\$7,341.43
Net Income Department of Arts and Sciences Summer School, transferred from Exhibit "E".....	8,025.89	
Net Income, transferred to Revenue Account, Exhibit "C" ..	\$15,367.32	

## NOTE:

Tuition was provided by the Department of Arts and Sciences for which it received no monetary consideration, as follows:

Scholarships.....	\$8,373.00	
University Aid.....	3,089.75	
Ministerial Aid.....	2,155.00	
		<u>\$13,617.75</u>

## EXHIBIT "E."

## DEPARTMENT OF ARTS AND SCIENCES—SUMMER SCHOOL.

For the year ended August 31, 1925.

*Income.*

Tuition.....	\$36,651.90	
Laboratories.....	1,184.89	
		<u>\$37,836.79</u>
Adjustment Students Accounts Receivable.....		435.99
		<u>\$38,272.78</u>

*Expenses.*

Salaries.....	\$29,525.60	
Advertising.....	196.42	
Stationery and Printing.....	484.37	
Traveling Expenses.....	40.50	
		<u>30,246.89</u>
Net Income, transferred to Department of Arts and Sciences, Exhibit "D".....	\$8,025.89	

## REPORT OF THE TREASURER

EXHIBIT "F."  
LAW SCHOOL.

For the year ended August 31, 1925.

*Income.*

Tuition.....	\$105,635.60	
Matriculation.....	1,935.00	
Sale of Examination Questions.....	235.00	
Miscellaneous.....	6.18	
Contributions for Prizes:		
Phi Delta Phi.....	\$25.00	
Herrick.....	25.00	
Ellsworth.....	25.00	
	<u>75.00</u>	
		<u>\$107,886.78</u>

*Expenses.*

Salaries and Wages.....	\$57,585.04
Library.....	598.60
Stationery and Printing.....	3,519.87
Telephone and Telegrams.....	361.90
Postage.....	480.00
Advertising.....	888.98
Herrick Prize.....	25.00
Ellsworth Prize.....	25.00
Phi Delta Phi Prize.....	25.00
Traveling Expenses.....	385.00
Depreciation on Equipment.....	127.58
Depreciation on Library Books.....	253.93
Miscellaneous Supplies and Expenses.....	298.47

\$64,574.37

Transferred to General Fund, Exhibit "C".... 20,356.86

\$84,931.23

## Law Hall:

Wages.....	\$3,256.50
Heat and Light.....	1,561.42
Insurance.....	94.80
Hauling.....	513.00
Supplies and Expenses.....	1,588.05
Repairs.....	321.45

7,335.2292,266.45\$15,620.33Net Income Law Summer School, transferred from Exhibit  
"G".....4,993.20

Net Income, transferred to Revenue Account, Exhibit "C"....

\$20,613.53



## GENERAL ACCOUNTS

17

## EXHIBIT "G."

## LAW SUMMER SCHOOL.

For the year ended August 31, 1925.

*Income.*

Tuition.....	\$13,372.00	
Matriculation.....	370.00	
		\$13,742.00

*Expenses.*

Salaries.....	\$8,560.00	
Advertising.....	188.80	
		8,748.80

Net Income, transferred to Law School, Exhibit "F."..... \$4,993.20

## EXHIBIT "H."

## MEDICAL SCHOOL.

For the year ended August 31, 1925.

*Income.*

Tuition.....	\$64,401.50	
Matriculation.....	727.00	
Laboratory.....	3,699.78	
Contribution—Medical School Repairs.....	1,225.00	
Garfield Hospital Nurses Fees.....	374.40	
Rents, Medical Hall and Lockers.....	203.00	
		\$70,630.68
Transferred from Administration, Exhibit "C".....	21,430.66	
		\$92,061.34

*Expenses.*

Salaries and Wages.....	\$61,501.64	
Laboratory.....	5,976.47	
Library.....	269.35	
Stationery and Printing.....	1,196.14	
Advertising.....	275.35	
Telephone and Telegrams.....	426.47	
Postage.....	159.99	
Traveling Expense.....	550.58	
Depreciation:		
Equipment.....	\$1,014.86	
Library Books.....	64.35	
		1,079.21
Miscellaneous Supplies and Expenses.....	1,098.73	
		72,533.93

Medical Hall:		
Wages.....	\$3,651.50	
Heat and Light.....	3,058.02	
Hauling.....	299.06	
Repairs.....	4,946.77	
Insurance.....	223.87	
Miscellaneous Supplies and Expenses.....	1,210.00	
		13,389.22
		85,923.15

Net Income, Medical Summer School, transferred from Exhibit "I"..... \$6,138.19

Net Income, transferred to Revenue Account, Exhibit "C".... \$6,754.19

## REPORT OF THE TREASURER

EXHIBIT "I."  
 MEDICAL SUMMER SCHOOL.  
 For the year ended August 31, 1925.

*Income.*

Tuition.....	\$2,000.00	
Matriculation.....	56.00	
Laboratories.....	130.00	
	<hr/>	\$2,186.00

*Expenses.*

Salaries.....	1,570.00	
Net Income, transferred to Medical School, Exhibit "H"...	<hr/>	\$616.00

EXHIBIT "J."  
 COLLEGE OF PHARMACY.  
 For the year ended August 31, 1925.

*Income.*

Tuition.....	\$2,988.45	
Matriculation.....	84.00	
Laboratory.....	548.63	
	<hr/>	\$3,621.08
Transferred from Arts and Sciences, Exhibit "D".....	1,000.00	
	<hr/>	\$4,621.08

*Expenses.*

Salaries and Wages.....	\$1,757.75	
Telephone and Telegrams.....	107.30	
Heat and Light.....	480.42	
Stationery and Printing.....	232.52	
Repairs.....	375.12	
Insurance.....	16.53	
Miscellaneous Supplies and Expenses.....	397.68	
	<hr/>	3,367.32
Net Income, transferred to Revenue Account, Exhibit "C" ..	<hr/>	\$1,253.76



## GENERAL ACCOUNTS

19

EXHIBIT "K."  
UNIVERSITY HOSPITAL.

For the year ended August 31, 1925.

*Income.*

Pay Patients .....	\$121,347.22	
Income from Endowments .....	1,061.62	
Commissions .....	1,549.07	
Refund Electricity prior years .....	430.42	
Miscellaneous .....	483.21	
		<u>\$124,871.54</u>

*Expenses.*

Salaries and Wages .....	\$47,299.89	
Table Supplies .....	35,115.13	
Medical and Surgical Supplies .....	10,352.42	
Nurses Outfits .....	1,573.34	
Electricity and Gas .....	4,232.87	
Fuel .....	2,960.46	
Laundry .....	4,365.32	
Repairs .....	2,295.24	
Miscellaneous Supplies and Expenses .....	6,458.30	
Ice .....	2,634.70	
Telephone and Telegrams .....	970.10	
Insurance .....	103.48	
		<u>118,361.25</u>

Net Income, transferred to Revenue Account, Exhibit "C". \$6,510.29EXHIBIT "L."  
STUDENT ACTIVITIES.

For the year ended August 31, 1925.

*Income.*

Students Fees .....	\$29,080.73	
Athletics .....	4,925.40	
Publications .....	1,613.20	
Music .....	963.41	
Dramatics .....	230.45	
Debating .....	161.17	
Miscellaneous .....	671.75	
		<u>\$37,646.11</u>

*Expenses.*

Athletics .....	\$17,876.38	
Publications .....	4,726.91	
Music .....	2,147.00	
Dramatics .....	796.16	
Debating .....	1,258.63	
Medical and Hospital .....	3,341.25	
Administration .....	2,834.95	
Donation to University General Fund .....	2,000.00	
Miscellaneous Supplies and Expenses .....	2,105.21	
		<u>37,086.49</u>

Net Income, transferred to Revenue Account, Exhibit "C". \$559.62

EXHIBIT "M."

STATEMENT OF CASH RECEIPTS AND PAYMENTS.

For the year ended August 31, 1925.

[illegible]



## GENERAL ACCOUNTS

21

Rent of Fraternity Rooms.....	1,303.00	Law School Library Books.....	2,002.58
Real Estate Rents—Net.....	355.71	Medical School Library Books.....	301.91
Student Activities:		Real Estate Purchased.....	8,237.44
General.....	\$1,531.23	20th Street Construction, Stockton Hall.....	11,002.24
Dramatic Council.....	550.00	21st Street Construction, Corcoran Hall.....	110,841.52
Transfer of Endowment Income.....		H Street Construction, Gymnasium.....	18,550.94
Transferred from Treasurer, Building and Endow-		Taxes.....	823.79
ment Campaign.....		Notes Payable.....	1,057.32
Notes Payable.....	55,000.00	Petty Cash Advances.....	150.00
Interest on Bank Balance.....	82,000.00	Student Activities:	
Miscellaneous:		General.....	\$121.76
Sale of Thesis Paper.....	\$140.03	Dramatic Council.....	1,050.00
Rent, Medical Hall and Lockers.....	203.00	Payment on Liability to Trust Funds Income....	1,171.76
Telephone Commissions.....	22.97	Endowment Campaign Expenses.....	2,000.00
Petty Cash Funds Returned.....	150.00		1,910.20
Sales Commissions Cafe.....	801.69		<u>\$931,554.31</u>
Garfield Hospital Nurses Fees.....	374.40	Cash Balance, August 31, 1925:	23,120.86
Sale of Examination Questions,		Riggs National Bank.....	
Law School.....	235.00		
Proceeds from Ball.....	473.71		
Miscellaneous.....	24.35		
Stockton Memorial.....	2,425.15		
Maury Memorial.....	1,050.00		
Advance Receipts Medical School	1,880.50		
1925-1926:			
Tuition.....	\$6,613.50		
Fees, Student Activities.....	232.00		
	<u>6,845.50</u>		
	\$892,026.82		
Cash Balance, September 1, 1924:			
Riggs National Bank.....	62,648.35		
	<u>\$954,675.17</u>		





## TRUST ACCOUNTS

## EXHIBIT "N."

## TRUST FUNDS.

As at August 31, 1925.

## GENERAL ENDOWMENT FUNDS.

Permanent funds, principal to be invested and income only to be used, for support of the general work of the University.

*Subscription Gifts Fund, 1845-1851:*

Fund raised by authority of the Trustees of Columbian College by general subscription between the years 1845 and 1851, as a permanent endowment for the support of the College. (Formerly called the Poindexter Endowment Fund.) ..... \$12,525.56

*Withers Fund:*

Fund raised by authority of the Trustees of Columbian College between the years 1851 and 1870, for increasing the endowment fund of the College; John Withers of Alexandria, Virginia, giving \$16,100, and the balance being obtained by general subscription. (Formerly called the Forty Thousand Dollar Endowment Fund.) ..... 26,891.46

*Corcoran Fund:*

Fund raised by authority of the Trustees of Columbian College and Columbian University between the years 1871 and 1886, to be forever held inalienable, and not to be diminished by use for the support of the institution, but the whole amount to be invested, in the discretion of the Trustees and according to their best judgment, and the interest thereon or the income therefrom to be used for the current expenses and support of the institution; William W. Corcoran, of Washington, D. C., giving \$112,000, and the balance being obtained by general subscription. .... 220,155.76

*Syms Fund:*

Bequest of Samuel Robert Syms, of West Hoboken, New Jersey, in 1891, to Columbian University, to be applied by the Trustees toward the endowment of the College proper. .... 1,500.00

*Alumni Fund:*

A fund established by the Senior Class of 1920, as a testimonial of grateful appreciation, to be added to by succeeding graduating classes, the income only to be used for the general welfare of the University, as directed by the Board of Trustees. .... 392.00

*1923-24 Campaign Fund:*

Receipts through the Treasurer of the Fund, from various donors, and invested as a general endowment. .... 115,000.00

*George N. Acker Fund:*

Bequest of George N. Acker, M. D., of Washington, D. C., received July 2, 1924. An unconditional gift carried as a general endowment by direction of the Board of Trustees. .... 300.00

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\$376,764.78



## PROFESSORSHIP ENDOWMENT FUNDS.

Permanent funds, principal to be invested and income only to be used, for support of professorships as specified by the donors.

*Congressional Professorship Fund:*

Donation by the United States, in 1832, by Act of Congress, of \$25,000 in city lots in Washington, D. C., to be sold and the proceeds invested as a capital, the dividends or interest to be used and applied, in aid of other revenues of Columbian College, to the establishment and endowment of such professorships therein "as now are, or hereafter shall be, established by the Trustees"..... \$105,362.95

*Elton Professorship Fund:*

Bequest of Rev. Romeo Elton of Exeter, England, in 1872, to be applied for the foundation of a professorship of mental and moral philosophy in Columbian College, to be called the Elton Professorship of Mental and Moral Philosophy..... 14,508.19

*Alumni Professorship Fund:*

Gifts of various alumni since 1911, for the endowment of an Alumni Professorship of Mathematics, the amount to be invested and the interest only to be used for the professorship..... 829.49

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\$120,700.63

## SPECIFIC ENDOWMENT FUNDS.

Permanent funds, principal to be invested and income only to be used, for designated purposes specified by the donors (other than support of professorships) incidental to, or connected with, the general work of the University.

*Scholarship Funds:**Walker Scholarship Fund:*

Gift of William Walker, of Putnam County, Georgia, in 1824, for the endowment of a scholarship..... \$2,500.00

*Withington Scholarship Fund:*

Gift of the Board of Trustees of the New York Baptist Theological Seminary, on behalf of John Withington, of New York, in 1829, for the purpose of endowing a scholarship in Columbian College, to be named the Withington Scholarship..... 1,953.13

*Morehouse Scholarship Fund:*

Gift of A. Morehouse, of Washington, D. C., in 1861, to Columbian College, with the design of adding to its ability to furnish gratuitous instruction to indigent students for the Christian ministry..... 1,500.00

*Kendall Scholarship Fund:*

Gift of Amos Kendall, of Washington, D. C., in 1869, to Columbian College on behalf of Calvary Baptist Church in the City of Washington, to purchase a classical scholarship; the Trustees of Public Schools in the City of Washington, and their successors, to have the perpetual privilege of selecting from said schools one pupil annually to fill said scholarship, and the pupils so selected each to be entitled to instruction in said College, for the term of six years, free of charge for tuition, use of library, and apparatus, or for any other privilege allowed to paying students of the same grade..... 5,959.61

<i>Davis Scholarship Fund:</i>	
Gift of Isaac Davis, of Worcester, Massachusetts, in 1869, the income to be appropriated to some student pursuing his collegiate course in Columbian College under certain conditions. ....	\$1,000.00
<i>M. M. Carter Scholarship Fund:</i>	
Gift of Mrs. Maria M. Carter, of Washington, D. C., in 1871, to Columbian College, to found a scholarship for some deserving young man. ....	1,000.00
<i>Founders of Columbian Women Scholarship Fund:</i>	
A fund established by the "Columbian Women" of George Washington University, in 1920, to provide scholarships for women in Columbian College. ....	5,000.00
<i>Woodhull Scholarship Fund:</i>	
Bequest of Ellen M. E. Woodhull, of Washington, D. C., the income to be used for scholarships. ....	600.00
<i>Third Columbian Women Scholarship Fund:</i>	
A fund established by the "Columbian Women" of George Washington University, in 1925, to provide scholarships for women in Columbian College. ....	270.00
<i>Byron Andrews Memorial Scholarship Fund:</i>	
A fund founded by Mrs. Belle Fish Andrews, in memory of her husband, Byron Andrews, to provide scholarships "for ambitious and needy students in English, Latin, Journalism, History, Literature or Political Science" ..	5,000.00
<i>David Spencer Scholarship Fund:</i>	
Devise in trust of real estate in Knox County, Illinois, the income to constitute an educational fund which under certain conditions shall be used to aid in defraying the expenses of designated students at the University. ....	18,135.00
<i>Farnham Scholarship Fund:</i>	
Gift of Mrs. Robert Farnham, of Washington, D. C., in 1871, to Columbian College for a scholarship in the College. ....	1,000.00
<i>Powell Scholarship Fund:</i>	
Devise of real estate by Rear Admiral Levin M. Powell, of Washington, D. C., in 1886, to Columbian University for the free education of young men by way of preparation for entrance into the Naval Academy at Annapolis, or to fit them to become mates and masters in the Merchant Marine Service of the United States. .	30,000.00
<i>Mary Lowell Stone Scholarship Fund:</i>	
Gift of an anonymous person in memory of Miss Mary Lowell Stone, in 1893, to Columbian University for scholarships for needy women students in science in the Department of Arts and Sciences. ....	2,000.00
<i>H. H. Carter Scholarship Fund:</i>	
Gift of Mrs. Maria M. Carter, of Washington, D. C., in 1896, in memory of her husband, Henry Harding Carter, to Columbian University, as a foundation for scholarships in civil engineering in Columbian College. .	5,000.00
<i>Nellie Maynard Knapp Scholarship Fund:</i>	
Gift of the "Columbian Women," in 1915, in memory of Mrs. Nellie Maynard Knapp, to George Washington University, for scholarships for women in the Department of Arts and Sciences. ....	5,000.00



*Elma Lewis Harvey Scholarship Fund:*

Bequest of Mrs. Emma Elizabeth Harvey, in memory of her daughter, Elma Lewis Harvey, to found a scholarship in the Department of Arts and Sciences for young women of the Protestant faith and of the Caucasian race..... \$5,000.00

*Elizabeth V. Brown Scholarship Fund:*

A fund founded by the College Women's Club of Washington, D. C., in 1925, as a memorial to Elizabeth V. Brown, the income to be used for scholarships in Teachers College..... 1,200.00

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\$92,117.74

**Medical School and Hospital Funds:***Cooper Medical Research Fund:*

Bequest of Mrs. Eleanor J. Cooper, of Washington, D. C., in 1905, to Columbian University on certain terms since modified by the Supreme Court of D. C., as follows: The income to be devoted towards the establishment and maintenance, in connection with the Medical Department of George Washington University, of a Research Laboratory, the work of this laboratory to be devoted to the investigation of the nature, causation, prevention, and cure of malaria and other infectious and contagious diseases..... \$10,000.00

*National Park Seminary Hospital Fund:*

Gift of students of National Park Seminary, of Forest Glen, Maryland, in 1906, to George Washington University, for the endowment of a bed in the University Hospital..... 500.00

*Woodbury Hospital Fund:*

Bequest of Miss Ellen deQ. Woodbury, of Washington, D. C., in 1909, to George Washington University, for the reception and treatment of female patients in the hospital belonging to or connected with the University. 9,583.33

*Chapman Hospital Fund:*

Bequest of Mrs. Susanna A. Chapman, of Washington, D. C., in 1911, to George Washington University, to be used for the purposes of the free wards of the University Hospital..... 1,350.90

*Tree Hospital Fund:*

Bequest of Lambert M. Tree, of Chicago, Illinois, in 1911, in memory of his mother, Mrs. Laura M. Tree, to Columbian University, for the purpose of establishing one or more beds in perpetuity in the University Hospital to be known as the "Laura M. Tree bed or beds"..... 10,000.00

*Reinhardt Hospital Fund:*

Bequest of Mrs. Luisa Wynne Reinhardt, of Washington, D. C., in 1922, to the University Hospital, to be used for the benefit of the Hospital, as directed by the Board of Trustees..... 521.49

*Sharpe Medical School Fund:*

Gift of Mary A. Sharpe, Elizabeth M. Sharpe, and Sallie Sharpe, in 1924, to establish a fund in trust, the income to be used exclusively for the Medical School..... 8,000.00

*Lewis Medical School Fund:*

Bequest of Samuel E. Lewis, received in 1925, the income to be used for the support of the Medical School.....\$100,000.00

*Board of Lady Managers Hospital Fund:*

Gift of the Board of Lady Managers of George Washington University Hospital, in 1925, to establish a fund, the income to be used for the support of the Hospital. . 200.00

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\$140,155.72

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**Prize Funds:***Davis Prize Fund:*

Gift of Isaac Davis, of Worcester, Massachusetts, in 1847, to Columbian College, for prizes to be awarded annually to such members of the senior class as shall have made the greatest progress in elocution since their connection with the College.....\$700.00

*Ruggles Prize Fund:*

Gift of William Ruggles, of Washington, D. C. (a professor in Columbian College and at one time Acting President), in 1859, to Columbian College, for a prize to be awarded annually for excellence in mathematics.. 500.00

*Staughton-Elton Prize Fund:*

Gift of Rev. Romeo Elton, of Exeter, England, in 1860 and 1865, to Columbian College, for prizes to be awarded annually for excellence in the Latin and Greek languages; one to be called the Staughton prize in Latin, the other the Elton prize in Greek..... 500.00

*Fitch Prize Fund:*

Gift of James E. Fitch, of Washington, D. C., in 1883, to Columbian University in memory of Willie E. Fitch, for a gold prize to be assigned annually under the auspices of the Scientific School..... 1,000.00

*Walsh Prize Fund:*

Gift of Thomas F. Walsh, of Washington, D. C., in 1901, to Columbian University, for a gold medal to be awarded annually for excellence in Irish history..... 300.00

*Cutter Prize Fund:*

Gift of Marion Kendall Cutter, of Washington, D. C., in 1902, to Columbian University, in memory of E. K. Cutter, for a prize to be awarded annually for excellence in the study of English..... 1,000.00

*Goddard Prize Fund:*

Gift of Mary W. Goddard, Alice Douglas Goddard, and Frederick J. Goddard, of Georgetown, D. C., in 1923, in memory of Morgan Richardson Goddard, for a gold medal, and a cash prize, to be awarded annually to the student making the highest average in Commerce.... 1,169.00

*Goddard Prize Fund:*

Gift of Mary W. Goddard, Alice Douglas Goddard, and Frederick J. Goddard, of Georgetown, D. C., in 1923, in memory of James Douglas Goddard, for a gold medal to be awarded annually to the student making the highest average in Pharmacy..... 675.00



*Goddard Prize Fund:*

Gift of Mary W. Goddard, Alice Douglas Goddard, and Frederick J. Goddard, of Georgetown, D. C., in 1923, in memory of Edward Carrington Goddard, class of '81, for a gold medal to be awarded annually to the student making the highest average in the French language and literature. .... \$675.00

*Hubbard Prize Fund:*

Gift of Mrs. Gertrude M. Hubbard, of Washington, D. C., in 1907, to George Washington University in memory of her husband, Gardiner G. Hubbard, for a prize to be awarded annually to the student in the undergraduate department of the University who, having maintained throughout four years a high standing in the classes of American history, may be required to present the best essay upon an assigned topic in this subject. .... 1,000.00

*Ordronaux Prize Fund:*

Bequest of John Ordronaux, of Glen Head, N. Y., in 1909, to George Washington University, for the establishment of biennial prizes in the Law and Medical Departments. .... 4,762.50

*Weddell Prize Fund:*

Gift of Mrs. Virginia Chase Weddell, in 1923, to found a prize to be known as the "Alexander Wilbourne Weddell Prize," to be awarded annually to the student submitting the best essay upon the general subject of the promotion of peace among the nations of the world. .... 5,000.00

*Sterrett Prize Fund:*

Gift of Rev. J. Macbride Sterrett, in 1911, to George Washington University, in memory of his son, J. Macbride Sterrett, Jr., for a gold medal to be awarded annually to the student obtaining highest average in physics. .... 200.00

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\$17,481.50

Total Endowment Funds. .... \$747,220.37

## EXECUTORY TRUST FUNDS.

Non-permanent funds, principal and income usable for the purposes specified by the donors, each trust terminating on its execution.

**Executory Trust Funds not Confined to Building Purposes:***Denman Law School Fund:*

Bequest of Hampton Y. Denman, of Washington, D. C., in 1904, to Columbian University, for the use and benefit of the Law Department. .... \$9,507.55

*Jacques Law School Fund:*

Bequest of Mrs. Mary Emma Jacques, of Washington, D. C., in 1912, to George Washington University, to be used in such manner as the Trustees may direct for the Law School. .... 6,217.40

*Jacques Medical School Fund:*

Bequest of Mrs. Mary Emma Jacques, of Washington, D. C., in 1912, to George Washington University, to be used in such manner as the Trustees may direct for the Hospital of the University..... \$6,447.61

*Mayer Hospital Fund:*

Bequest of Theodore J. Mayer, of Washington, D. C., in 1907 (received in 1916), to George Washington University, for the benefit of the University Hospital.... 5,382.97

*Reserve for the protection of Trust Funds investments*

838.67

*Joerrissen Hospital Fund*..... 750.00

*Lafayette Memorial Fund*..... 1,540.08

*Mauvy Memorial Fund*..... 1,880.50

*Stockton Memorial Fund*..... 1,050.00

*Endowment Restoration and Accretion Fund*... 3,029.52

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\$36,644.30
**Building Funds:***Law School Building Fund:*

Gifts of various persons toward a fund authorized by the Trustees of the University May 31, 1916, for purchasing a site and erecting a Law School building... \$233.03

*General Building Fund:*

Gifts of various persons toward a fund authorized by the Trustees of the University May 31, 1916, for purchasing sites, buildings and equipment, remodeling or rebuilding, and paying off obligations. This is an open subscription fund, to be continued and increased indefinitely..... 512.14

*Chemistry Building Fund:*

Gifts of various persons toward a fund, principal and interest usable for a Chemical Laboratory Building..... 142.27

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887.44

Total Executory Trust Funds..... \$37,531.74

Total Trust Funds..... \$784,752.11

## EXHIBIT "O."

## ENDOWMENT FUNDS INVESTMENTS

As at August 31, 1925.

## STOCKS.

## American Telephone and Telegraph Co.:

6 shares of stock..... \$708.00

## Chicago, Rock Island and Pacific Railway Co.:

40 shares of 7 per cent Preferred Stock..... 4,000.00

## BONDS.

## Chicago, Rock Island and Pacific Railway Co.:

\$24,000 4 per cent First and Refunding Mortgage Bonds, due 1934..... 20,959.17



*Chicago, Rock Island and Pacific Railway Co.:	
\$10,000 4 per cent Collateral Trust Bonds, due 2002.....	\$8,094.72
Virginia Railway Co.:	
\$300 5 per cent First Mortgage Gold Bonds, Series "A," due 1962.....	297.38
Washington Railway and Electric Co.:	
\$4,500 4 per cent Consolidated Mortgage Gold Bonds, due 1951.....	3,631.25
Potomac Electric Power Co.:	
\$15,000 5 per cent Consolidated Mortgage Gold Coupon Bonds, due 1936.....	15,025.00
City of Medford, Massachusetts:	
\$3,000 4 per cent Sewerage Loan Bonds, due 1924.....	3,000.00
Liberty Loan Bond—Second Series.....	50.00

## TRUST NOTES.

Agnes Plunkett Notes:	
Secured by deed of trust on part of lot 12, square 11, in Meridian Hill; interest 6 per cent; due February 4, 1926..	200.00
Elmer W. Brandes Note:	
No. three of three, secured by deed of trust on lot 25, square 1938; interest 6 per cent; due July 16, 1926. Held by American Security and Trust Co., Trustees of Byron Andrews Memorial Scholarship Fund.....	3,000.00
Washington Club Note:	
Number seventy of seventy-three, secured by deed of trust on lot 1, square 64; interest 6 per cent; due March 22, 1926.....	3,000.00
Anchor Theatrical Corporation Notes:	
Numbers thirty-five and thirty-nine of thirty-nine, secured by deed of trust on lot 44, square 254, interest 6 per cent; due September 26, 1925.....	5,000.00
Benjamin F. Raines Note:	
Secured by deed of trust on sub-lot 148, square 672; interest 7 per cent; due March 13, 1926.....	2,150.00
Terminal Storage and Warehousing Company Notes:	
Numbers one hundred and six, one hundred and eleven, one hundred and thirty-six and one hundred and thirty- seven, part of one hundred and thirty-four, one hundred and thirty-eight and one hundred and thirty-nine, of one hundred and forty-five, secured by deed of trust on original lot 6, lots A, B, C, D, E, F, 16, 17, and part of lots 18 and 191, square 536; interest 6 per cent; due Novem- ber 10, 1925.....	19,000.00
Morris Ross Note:	
Numbers five and six of eight, secured by deed of trust on lot 24, square 180; interest 6 per cent; due April 15, 1928.	2,000.00
Pauline V. Beyer Note:	
No. 6 of a series of 66, secured by lot B and part of Alley H, square 376; due December 17, 1925; interest 5½ per cent	5,000.00
Salvation Army Notes:	
2 notes Nos. 22 and 23 of a series of 25, secured by lots 29, 30, 31, and part of 32, square 248; due March 17, 1929; interest 6 per cent.....	10,000.00

\* To secure these bonds the University has received 100 shares of Chicago, Rock Island and Pacific Railway Co. common stock.

## Harrison G. Dyar Notes:

4 notes Nos. 12, 13, 14 and 15 of a series of 260, secured by lot 40, square 18, Woodley Park; due January 30, 1926; interest 6 per cent. .... \$20,000.00

## Rapley Theatre Company Note:

1 note of a series, secured by lot 804, square 254; due June 8, 1927; interest at 6 per cent. .... 8,000.00

## Carrie Carroll and Sarah Ornstein Note:

Three notes, numbers 1, 2 and 4 of a series of 23, secured by lots 58 and 59, square 218; due July 17, 1927; interest at 6 per cent. .... 25,000.00

## Edwin H. Etz Notes:

Three notes, numbers 1, 2 and 3 of 37, secured by lot 44, square 288; interest 6 per cent; due August 5, 1927. .... 15,000.00

## Central Building Company Notes:

Numbers 208, 209, 210, 211, and 212, of 308, secured by lot 47, square 168; interest 6 per cent; due December 18, 1929. .... 25,000.00

## Albert Hislop Notes:

Numbers 153, 154 and 191 of 280, secured by lot 38, and part of original lot 5, square 253; interest 5½ per cent; due March 14, 1928. .... 15,000.00

## Ida M. Butts Notes:

Numbers 1 and 7 of 39, secured by lots 273 and 274, square 245; interest 6 per cent; due March 23, 1928. .... 15,000.00

\*\*Interest in \$350,000 note payable to Washington Loan and Trust Co., secured by deed of trust, executed by the University to National Savings and Trust Company, Trustee, December 1, 1910, on Medical and Hospital Lands and Buildings, 1335, 1339, and 1341 H Street, N. W., without interest; due on or before December 1, 1920. .... 323,430.23

## REAL ESTATE.

## Congressional Endowment:

Lot 818, square 13. .... \$3,813.50  
 Lot 12, square 13. .... 3,715.00  
 Lot 13, square 13. .... 3,270.00  
 Lot 9, square 16. .... 2,594.20  
 Lot 5, square 87. .... 8,532.00

\$21,924.70

Powell House, 1707 Eye Street N. W. .... 30,000.00

Chapman lot, Hyattsville. .... 125.00

Spencer Farm. .... 18,135.00

Lewis Properties, 1404-6-8-10 P Street, and 1416-18 and 1502 14th Street. .... 145,000.00

## MISCELLANEOUS.

## Certificate of Deposit:

Washington Loan and Trust Company. .... \$150.00

\$766,880.45

\*\* The \$2,000.00 difference between this note of the University and the liability carried on the balance sheet, Exhibit "A," is included in the Endowment Restoration and Accretion Fund.



## TRUST ACCOUNTS

33

## SUMMARY.

Stocks.....	\$4,708.00	
Bonds.....	51,057.52	
Trust Notes.....	495,780.23	
Real Estate.....	215,184.70	
Miscellaneous.....	150.00	
		<u>\$766,880.45</u>
Cash on hand for Investment August 31, 1925, Exhibit "A" ..	25,339.92	
		<u>\$792,220.37</u>
Less Mortgage on Lewis Properties.....	45,000.00	
Total Endowment Funds Investments.....		<u>\$747,220.37</u>

## EXHIBIT "P."

## EXECUTORY TRUST FUNDS INVESTMENTS.

As at August 31, 1925.

## BONDS.

U. S. Steel Corporation:		
\$3,000.00 5 % Sinking Fund Gold Coupon Bonds, due 1963.....	\$3,060.00	
Metropolitan Railroad Company:		
\$1,000.00 5% First Mortgage Gold Bond, due 1925.....	1,070.00	
Potomac Electric Power Company:		
\$2,000.00 5% Consolidated Mortgage Gold Coupon Bonds, due 1936 .....	2,028.75	
Washington Gas Light Company:		
\$1,000.00 5% General Mortgage Gold Bond, due 1960.....	1,105.00	
Washington Railway and Electric Company:		
\$1,000.00 4% Consolidated Mortgage Gold Bond, due 1951.....	860.00	
		<u>\$8,123.75</u>

## TRUST NOTES.

Nettie and Fayette Moore Notes:		
No. 58-97 and 98 of 132, secured by deed of trust on lots 23, 24, 28, 29 and part of lot 65, block 36, Columbia Heights; interest 6%; due November 7, 1926.....	\$5,000.00	
Terminal Storage and Warehousing Company Notes:		
Part of Nos. 134, 138 and 139 of 145, secured by deed of trust on original lot 6, lots A, B, C, D, E, F, 16, 17 and part of lots 18 and 191, square 536; interest 6%; due November 10, 1925....	6,000.00	
		<u>\$11,000.00</u>

## MISCELLANEOUS.

Interest in General Property of the University .....	\$7,179.32	
Total Investments.....	\$26,303.07	
Cash on hand for Investment, August 31, 1925.....	11,228.67	
Total Executory Trust Funds Investments.....		<u>\$37,531.74</u>

## SUMMARY.

Total Endowment Funds Investments.....	\$747,220.37	
Total Executory Funds Investments.....	37,531.74	
Total Trust Funds Investments.....		<u>\$784,752.11</u>

EXHIBIT "Q."  
 ENDOWMENT AND EXECUTORY TRUST FUNDS, INCOME AND EXPENSE.  
 For the year ended August 31, 1925.

	Balance Aug. 31, 1924.		Year ended Aug. 31, 1925.		Balance Aug. 31, 1925.	
	Debit.	Credit.	Expense.	Income.	Debit.	Credit.
<i>Endowment Funds:</i>						
Congressional Professorship of English Fund.....		\$998.08	\$998.08	\$994.00		\$994.00
Corcoran Endowment Fund.....		1,495.00	1,495.00	1,488.91		1,488.91
Alumni Endowment Fund.....		70.36		19.91		90.27
Elton Professorship Fund.....		1,579.73	400.00	222.27		1,402.00
Alumni Professorship of Mathematics Fund.....		267.88		42.14		310.02
Founders of Columbian Women Scholarship Fund.....		192.37	192.37	254.02		254.02
Third Columbian Women Scholarship Fund.....				3.43		3.43
David Spencer Scholarship Fund.....		3,087.89	250.00			2,837.89
Withington Scholarship Fund.....		24.90		19.30		44.20
Kendall Scholarship Fund.....		229.60	229.60	228.62		228.62
Davis Scholarship Fund.....	\$59.83			2.03	\$57.80	
Powell Scholarship Fund.....	3,246.00		2,246.13	4,805.00	687.13	
Ellen M. E. Woodhull Scholarship Fund.....		113.87		30.48		144.35
H. H. Carter Scholarship Fund.....	206.25				206.25	
M. M. Carter Scholarship Fund.....	1.23				1.23	
Byron Andrews Memorial Scholarship Fund.....		578.99	479.50	142.50		241.99
1923-24 Campaign Fund.....				4,572.37		4,572.37
Farnham Scholarship Fund.....		38.77				38.77
Nellie Maynard Knapp Scholarship Fund.....		296.29	167.63	254.02		382.68
E. V. Brown Scholarship Fund.....			61.50	15.24		15.24
Mary Lowell Stone Scholarship Fund.....		612.89				551.39
Hope Lodge No. 20 Scholarship Fund.....		14.00	198.00	200.00		16.00
Metzerott Scholarship Fund.....		152.00	40.00			112.00
Elma Lewis Harvey Memorial Scholarship Fund.....		403.35		261.25		664.60
Cooper Medical Research Fund.....		900.92	550.26	508.04		858.70
Samuel E. Lewis Fund.....			5,324.52	4,878.27	446.25	
National Park Seminary Hospital Endowment Fund.....		371.80		25.40		397.20
Woodbury Hospital Endowment Fund.....		488.95	488.95	486.87		486.87
Chapman Hospital Endowment Fund.....		62.47	62.47	62.28		62.28
Tree Hospital Endowment Fund.....		510.20	510.20	508.04		508.04
Reinhardt Hospital Fund.....				26.49		26.49
Davis Prize Fund.....		70.19		35.56		106.75
Ruggles Prize Fund.....	40.50				40.50	



Fitch Prize Fund.....	699.38	50.00	11.99	661.37
Weddell Prize Fund.....	5.11	250.00	254.02	9.13
Walsh Prize Fund.....	327.62		15.24	342.86
Cutter Prize Fund.....	83.06	50.00	50.80	83.86
Hubbard Prize Fund.....	7.08	50.00	50.80	6.28
Sterrett Prize Fund.....	102.25		12.00	114.25
Ordronaux Prize Fund.....	588.41	200.00	206.31	594.72
Goddard Prize Fund.....	103.60	125.80	127.97	105.77
Staughton-Elton Prize Fund.....	3.66			3.66
Sharpe Medical School Fund.....			422.28	422.28
Acker Fund.....			7.62	7.62
<i>Executory Trust Funds:</i>				
Mayer Hospital Fund.....		259.75	259.75	
Denman Law School Fund.....		130.95	130.95	
Jacques Law School Fund.....		300.39	300.39	
Jacques Medical School Fund.....		311.12	311.12	
Law School Building Fund.....		11.24	11.24	
General Building Fund.....		24.71	24.71	
Endowment Restoration and Accretion Fund.....		182.58	182.58	
Chemistry Building Fund.....		6.86	6.86	
Joerissen Fund.....			19.05	19.05
Less: Balances.....	\$3,560.89	\$14,473.59	\$22,492.12	\$19,202.65
		3,560.89	15,647.61	1,445.44
Net Balances.....	\$10,912.70		\$6,844.51	\$17,757.21

*Summary.*

Unexpended Income, Cash on Hand September 1, 1924.....	\$10,912.70
Income for Year:	
Endowment Funds.....	\$21,245.47
Executory Trust Funds.....	1,246.65
	<u>22,492.12</u>
Expenses for Year:	
Endowment Funds.....	\$14,420.01
Executory Trust Funds.....	1,227.60
	<u>15,647.61</u>
Unexpended Income, Cash on Hand August 31, 1925.....	<u>\$17,757.21</u>

REPORT OF THE TREASURER OF THE BOARD OF LADY MANAGERS OF THE HOSPITAL FOR THE YEAR  
ENDED JUNE 30, 1925.

*Receipts.*

Balance on hand June 30, 1924.....		\$142.83
Collections:		
Annual Dues.....	\$360.00	
Sustaining Dues.....	535.00	
Fines.....	37.75	
		\$932.75
Benefits:		
Ball.....	\$2,589.00	
Card Party.....	12.00	
Linen Shower.....	272.38	
Rummage.....	340.64	
		3,214.02
Donations:		
Mrs. Birnie.....	\$20.00	
Mrs. Vance.....	5.00	
Mrs. Wiles.....	100.00	
		125.00
Interest.....		11.57
Refund.....		9.00
Total Receipts.....		4,292.34
		<u>\$4,435.17</u>

*Payments.*

Nurses' Home:		
Amusements.....	\$35.00	
Bed Linen.....	49.05	
Blankets.....	72.00	
Furniture.....	46.85	
Small Repairs.....	18.00	
Wages.....	130.40	
		\$351.30
Hospital Equipment:		
Blankets.....	\$95.90	
China.....	149.64	
Electric Fans.....	105.00	
Electric Bed Lights.....	30.57	
Floors, Diet Kitchens.....	210.00	
Furniture.....	217.00	
Hot Water Plant.....	1,177.39	
Kitchen Utensils.....	58.08	
Linen—		
Bed.....	\$516.95	
Table.....	55.50	
		572.45
Operating Gowns.....	133.10	
Refrigerators.....	130.00	
Roof Garden.....	30.00	
Ventilators.....	75.00	
		2,984.13



## BOARD OF LADY MANAGERS

37

Repairs:		
Bath Rooms .....	\$210.00	
Furniture .....	84.25	
Mattresses .....	11.00	
	<hr/>	\$305.25
Building Fund G. W. U. ....		20.00
B. L. M. Endowment Fund .....		200.00
Miscellaneous .....		81.53
Printing:		
Regular .....	\$33.72	
Special .....	126.46	
	<hr/>	160.18
Sunshine Committee .....		23.00
	<hr/>	
Total Expenditures .....		\$4,125.39
Balance on deposit in Washington Loan & Trust Company ..		309.78
		<hr/>
		\$4,435.17
		<hr/>

Respectfully submitted,

EVA HOUSTON LEWIS  
(Mrs. S. E. LEWIS),*Treasurer.*





## **Form of Bequest**

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### **FOR EXECUTORY ENDOWMENTS**

"I give and bequeath to the GEORGE WASHINGTON UNIVERSITY, of Washington, D. C., the sum of.....dollars, free from legacy duty or tax, the same to be used as its Board of Trustees may determine."

### **FOR GENERAL ENDOWMENTS**

"I give and bequeath to the GEORGE WASHINGTON UNIVERSITY, of Washington, D. C., the sum of.....dollars, free from legacy duty or tax, the principal to be invested, and the income only to be used as its Board of Trustees may determine."





VOLUME XXIV

NUMBER 4

# George Washington University Bulletin

PROCEEDINGS INCIDENT TO THE DEDICATION  
OF STOCKTON HALL

*of the*

GEORGE WASHINGTON UNIVERSITY LAW SCHOOL

NOVEMBER 14, 1925

WASHINGTON, D. C.



PUBLISHED BY THE UNIVERSITY AT WASHINGTON, D. C., MARCH,  
JUNE, OCTOBER AND DECEMBER

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GEORGE WASHINGTON UNIVERSITY LAW SCHOOL  
STOCKTON HALL

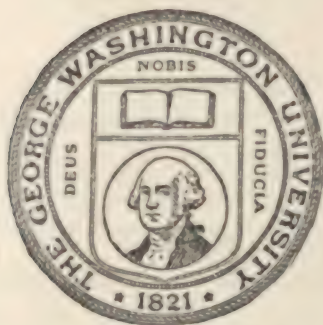


# George Washington University Bulletin

PROCEEDINGS INCIDENT TO THE DEDICATION  
OF STOCKTON HALL

*of the*

GEORGE WASHINGTON UNIVERSITY LAW SCHOOL







PROCEEDINGS  
INCIDENT TO THE  
DEDICATION OF STOCKTON HALL  
*of the*  
GEORGE WASHINGTON UNIVERSITY  
LAW SCHOOL

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NOVEMBER 14, 1925  
WASHINGTON, D. C.

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(The exercises incident to the dedication of Stockton Hall of the George Washington University Law School, Washington, D. C., were held in the gymnasium of the University on the afternoon of November 14, 1925, convening at 5:18 o'clock, with the President of the University, Dr. William Mather Lewis, presiding. Members of the Board of Trustees and of the Faculty, and distinguished guests, occupied seats on the platform.)

THE PRESIDENT OF THE UNIVERSITY, DR. WILLIAM MATHER LEWIS: The invocation will be offered by the Right Reverend James E. Freeman, Bishop of Washington.

INVOCATION

OFFERED BY THE RIGHT REVEREND JAMES E. FREEMAN  
BISHOP OF WASHINGTON

(The audience rose.)

Almighty God, our Heavenly Father, without Whose aid and succor all our labor is in vain, but with Whose support Thy children go forth as the mighty, we come to invoke Thy Divine blessing this afternoon, and to ask Thee to grace, with Thy Divine favor, this occasion.

Do Thou grant, gracious Lord, that here in this place there may be made manifest from day to day the evidences of Thy presence and of Thy approval. Do Thou grant that here in this seat of learning the

source of all truth may be evident, the source of all justice may be manifest, and the way of life made evident to the children of men.

Do Thou bless abundantly every interest of this place and every concern of this school of learning. Do Thou grant that there may be given to those who shall teach illuminating and spiritual vision and insight; and to those who shall learn, do Thou grant that there may be given receptive hearts and minds, that here they may partake not only of the knowledge of men but of the knowledge that is of Thee.

And so do Thou grant that from here there may issue forth that which shall make for peace and happiness, for piety and righteousness, and for all that contributes to the enrichment of Thy children.

Give us a very deep consciousness, gracious Father, that whatever we may do is futile without Thine aid. Give us to understand the deeper and the finer meaning of life; and give us to appreciate more fully our obligations and our responsibilities as we relate ourselves to the interests of man.

And today we ask Thy special blessing upon this nation, whose sons we are. Do Thou grant that this nation may grow in favor with Thee and with the children of earth. And do Thou grant that here, from this Capital of this Nation, there may proceed those forces that shall make for the betterment and the enrichment of the world.

Give us more and more to understand the deep meaning of truth. Give us more and more to practice the fine things of justice and mercy. Give us more and more to produce before the world in which we live the deeper convictions that are born out of a fine religious faith.

So we ask Thy blessing upon us as we stand in Thy presence. Be with us on this occasion. Be with this institution in all its future days. And grant that here there may more and more be made evident that which shall speak to men of the higher things of the Eternal Father.

These things we ask, together with the forgiveness of all our sins, in the name and for the sake of Him Who came, declaring Himself to be the Way, the Truth, and the Life, Thy Son, our Saviour, Jesus Christ. Amen.

THE PRESIDENT OF THE UNIVERSITY, DR. LEWIS: We are gathered this afternoon in recognition of a most significant moment in the life of George Washington University. We are gathered in this room formally to dedicate the new law school building, a structure named in honor of one whose work for the University is one of its outstanding contributions.

We are happy today that the various elements in the life of the University and of its law school are represented. An institution is far more than buildings, far more than equipment. As the years go on, it calls to its service, and it honors, those who have passed through its walls—the alumni. It recognizes and it places in a position of honor those who guide its destinies in the faculties and in the Board of Trus-



tees. Today we wish, at a moment of such great importance, to have words of greeting from representatives of these various organizations, and from the University itself.

It is my pleasure to present at this time one who will speak on behalf of the alumni, Mr. Edward Stafford, of the Class of '14, President of the Columbian-George Washington Law School Association. (Applause.)

#### ADDRESS ON BEHALF OF THE ALUMNI

BY MR. EDWARD STAFFORD, OF THE CLASS OF '14

Mr. President, Honored Guests, Ladies and Gentlemen: No one has ever successfully defined a university; and for the same reason, no one has ever successfully defined a law school. The man who said, some years ago, that his idea of a college was "Mark Hopkins on one end of a log, and the boy on the other end," was paying a very high tribute to the teacher. Certainly the log had some physical limitations, so far as the teacher's direct influence was concerned. But it may be said, I think, that a law school contains three very important parts, aside from its important physical equipment. There is the faculty, and the student body, and the graduates. A law school may have a physical equipment which is unsurpassed; it may, by reason of its wealth and influence, be able to attract to its faculty teachers of the very highest standing; and it may, by reason of its reputation, be able to weed out from the applicants all except those particular students which it accepts: and yet, when all that is done, it is not by any of these three standards that the public and the world at large judge the law school. There is very ancient and very respected authority for the view that you judge of men and of works by their fruits, and that you do not, by any chance, gather figs from thistles. When the law school has done its work with the individual student, and that student has gone out, the faculty immediately turns its attention to other material in more or less raw condition, and goes to work on that. Sometimes they look among the graduates for signs of progress; sometimes they find them: but they are absorbed, as they should be, in the absolute necessity of dealing with the material which they have in their hands at any given time.

Now, it is perfectly evident that the standing of the school is going to be judged by the public and by the world at large by the standing of the members of the school who have passed out into the communities in which they stand. Just so high as the graduates of a school stand, is the reputation of the school, and not any higher. It is also perfectly clear that when the public has made its judgment, it takes no uncertain terms in making known what it thinks. It is not a mere coincidence that half of the bench in the District of Columbia, as a local organization, is composed of graduates or of members of the faculty of this school; that the highest civil law officer in the District is a graduate

of this school; that the highest officer concerned with the local prosecution of crimes is a graduate of this school. There are older law schools in the United States. Most of the students of this school now are graduates of colleges whose past and whose ties run back far before the flag under which we live. Their past history goes back to a past, through ties of blood and affliction and kindred, to the ancient seats of learning across the sea.

You would have no idea how often the thoughts of the graduates turn back to the school, to the teachers, from whom they learn, whom they came not only to admire, but also to love, and to that subtle, all-pervading atmosphere that settles down over any institution of learning which has a long and an honorable history.

In my mind, this school is, from its existence and incorporation in the University, almost coeval with the first stirrings of the real national self-consciousness. Almost exactly one hundred years ago—I think we should remember it with pride and with joy—there were gathered around the cradle of this institution the first-fruits of this new soil: The President, James Monroe, one of the few still left at that time who had worn the ragged uniform of the Continental Army, who knew a time when the very existence of the state was in doubt; the Secretary of State, John Quincy Adams, home again in the land of his birth, and just about to step into the highest office that his countrymen had to give; the Secretary of War, John C. Calhoun, but newly come into the forefront of affairs, but a man who was to leave his impress indelibly upon his own generation; and the beloved and brilliant Speaker of the House of Representatives, Henry Clay. We know how glad the founders of this institution must have been to have with them on that day the man who was not only a very distinguished statesman, but the man who was also a winner of all hearts to the very end of his life. And particularly appropriately we can see, if we visualize that scene, an old and a dearly loved friend, whose name will always be connected with that great name that is borne by this University. It is unnecessary for me to remind any of you connected with this school that General LaFayette was also present at the first commencement of this University.

A dozen years ago I heard Chief Justice White make an address in which he referred to his services as a young man in the Army of the Confederacy. He said that, as the years went on, he was no longer sure of the color of the uniforms which his dear comrades in arms had worn; that as he looked at them in his mind's eye and visualized them on the march or under the smoke of fire, he saw them not always in gray any more; "in fact," he said, "I am sure by this time that they are an invisible blue." So we have here a student body of an unsurpassed character and excellence, of general fitness for the study which they are pursuing, or a seriousness of purpose which I venture to say is certainly unsurpassed by that in any other school. We have had over a



period of years a faculty in which we can take the utmost pride. And at last, on this happy day, we have a building which can at last become the worthy home of a great school.

This school has had so many homes that it might almost have been said to be fostering a nomadic tradition. But that time is over. Among all the graduates of this school from every one of the four corners of a great land, to which four corners the graduates of this school scatter, probably more literally than from any other school, there is not one but is proud of this new permanent law school building.

The thoughts of the alumni body are turning back today to this place where the sweet light of jurisprudence first came before their eyes. On this happy day, on this great day of their old school, the hearts of all of them are turning back here. Their word is to all of you—to you, Mr. President, and you, Mr. Dean—that they are, as they always have been, a reserve, shifting always in personnel, but always, as in the past dependable. They look back to this school, they look down on this occasion, in spirit if not in body, and to the President and Dean of this institution, with joy, with affection, and with pride. (Applause.)

THE PRESIDENT OF THE UNIVERSITY, DR. LEWIS: A major cause for our rejoicing today lies in the fact that at last we are to give the great teachers in our law school, particularly those men who have borne the heat of the day for such a long time, adequate equipment, equipment that they can use to the very best advantage. It is the glory of this school that there are men who have served it untiringly for years, and who have grown in power and in purpose as the school itself has grown. I am happy to present such an one to you, a man who has been, for a quarter of a century, one of the teachers in our law school, and a most useful citizen of this community, who will speak on behalf of the faculty—Colonel Walter C. Clephane, of the Class of '89. (Applause.)

#### ADDRESS ON BEHALF OF THE FACULTY

BY COLONEL WALTER C. CLEPHANE, OF THE CLASS OF '89

Mr. President, Mr. Dean, Ladies and Gentlemen: I imagine that the President, in calling upon a member of the faculty, is not so desirous of having us express our appreciation of the wonderful gift which has been bestowed upon us as he is in hearing from us a pledge of service. For we know, Mr. President, as you know, that a law school means something more than bricks and mortar, more than an able and universally respected President, supported by an efficient and devoted Board of Trustees. You may have these, and you may add to them a faculty learned in the law, presided over by a dean, able, zealous and efficient, aided by a library well equipped and furnished; and still you may fall

far short of making a law school what it should be. It must possess and be capable of reproducing something finer than all of these.

You have chosen wisely, I think, Mr. President, to confer upon this adjacent building the name of Stockton Hall, named for a naval officer distinguished in many years of service, who reached the highest rank in his profession, who is well and favorably known throughout the world as an author upon international law subjects, who was the President of the Naval War College at Newport, upon whom honors, prior to his active connection with this institution, had been showered thick and fast, and all deserved, and who, at the time when, under the law, he should retire from active service, having achieved all the glory that it was possible for him to achieve, as the world measures glory, was entitled, at this period of his career, to rest quietly with a lack of embarrassment in the management of large business affairs. But it so happened that at that particular juncture this University was plunged into the stress of financial disturbance, which, please God, will never come to us again. There seemed to be no one who was desirous of attempting to lead the University out of the chaos in which it had been placed. The task appeared welcome to none. To him who should undertake it there was nothing of glory, everything of self-sacrifice, little prospect of success, and almost a certainty that no personal credit could be reflected upon the occupant of the office. But Admiral Stockton, nothing daunted by the gloomy prospect ahead, responded at once to the call of the Board of Trustees, and accepted the office of President, which he was urged to take, entered upon the discharge of his duties; and the world knows the result. If it had not been for his constructive planning and unselfish, assiduous devotion to public welfare, we should never have been here today dedicating this hall.

It is this spirit, Mr. President, of devotion to public service, and unselfish leadership, that is needed before any law school can begin to measure up to that degree of success to which it should aspire.

You have invested this hall with the Stockton name. It is for us of the faculty to invest it with the Stockton spirit. While you are dedicating this adjacent building as a seat of learning, I appeal to my brethren of the faculty to dedicate ourselves to the acquisition of that noble spirit which so animated Admiral Stockton, and as far as the power within us lies, to inculcate that spirit in the minds and the hearts of the students who come here in quest of learning. (Applause.)

THE PRESIDENT OF THE UNIVERSITY, DR. LEWIS: It is one of the glories of the University, one of the chief causes why it has overcome those crises that come to every institution, that there have always been men who have given much of time, much of unselfish devotion to its welfare. We find these men, the sons of George Washington University Law School, not only on its faculty; we find them on the Board of Trustees of the University. It is my pleasure to introduce



one who has for many years had much upon his mind and his heart the interests of the entire University, and particularly the Law School, of which he is a graduate—Mr. John Bell Larnier, the Chairman of the Board of Trustees of George Washington University. (Applause.)

ADDRESS BY MR. JOHN BELL LARNER, OF THE CLASS OF '79,  
CHAIRMAN OF THE BOARD OF TRUSTEES

Well do I remember the month of September, 1877! It was that month I entered the Law School. How vividly after all these years come back to me the memories of that momentous occasion in my life, I recall the old Columbian Law Building with its church-like front and interior; with its steps and floors worn almost to splinters by the constant tramp, tramp, of lawyers, clients, professors and students; the old battered and worn tables in front of the rostrum and the green shaded lamp that reflected its dim light upon the time-worn manuscript of the two lecturers who eloquently drove into the minds of the students the intricate principles of the law of contingent remainders and the uses and purposes of the *absque hoc*. (Laughter.)

At that time we had but two regular professors—Samuel Tyler, who conducted the Senior Class, and Walter S. Cox the Junior Class, on alternate nights.

It was during my term of study that Professor Tyler died. He was succeeded by William A. Maury, who continued to serve until 1906. These eminent lawyers won the hearts of their students, and those of us who were so fortunate as to sit under their instruction will honor and revere these distinguished men so long as memory lasts.

When Judge Cox was elevated to the bench in 1879 the students went wild in their acclamations of joy as he put in his appearance on the rostrum of the Law School the first night after his appointment. Judge Cox was the successor of John C. Kennedy, a lawyer of the old school and a distinguished jurist of his time. Justice Cox retired from the bench in 1899 and died June 25, 1902, and Professor Maury survived him for a number of years, passing away in 1918.

I trust I may be pardoned for these personal reflections of my early days, but I never think of this dear old Law School without the memories of the past passing before my eyes and bringing to me inspiration and veneration for my old professors and classmates, not many of whom are living today.

The history of the Law School has been written and re-written, and this history is well known.

Today we are celebrating the consummation of our cherished hopes by the dedication of Stockton Hall, the second unit of our group of buildings made possible by the generous gifts of the people of Washington

and elsewhere, which necessarily includes trustees, professors, students and the alumni of the University.

So on through all these years the Law School has flourished and each year taken a more prominent and more important position in educational circles. This has been not because of any mere accidental circumstance, but because of the rapid improvement in standards and the fine teaching qualifications of the professors. Today each subject is handled by expert professors and tutors along scientific lines. During the early days of the Law School two professors were able to do all the work in the Junior and Senior classes. Today there are approximately thirty men engaged in the same work.

Too much credit cannot be given to Dean Van Vleck for the enormous work he has done in coordinating, enlarging and simplifying the routine work of the Law School, and to him has come the distinguished honor of placing the school in this magnificent building with all the modern appliances and equipment for an up-to-date legal educational institution.

When the time arrived for selecting the name of the second unit the trustees unanimously agreed that no one deserved this honor more than President Stockton, whose magnificent work contributed so much to the rejuvenation of the University during a time when a man of his strong character and large attainments was so much needed.

A few days since I had the pleasure of visiting one of the largest and most popular universities of America. I walked around and over the campus with feelings of admiration for the beautiful buildings and well kept grounds. The students were hurrying from building to building with apparent enthusiasm and earnest expressions on their faces bent on the work they had before them. They had the University spirit.

Then again as I passed an arch, gateway or entrance, I saw chiseled in the stone legends reading, "Gift of Class 1923," "In memory of ———," and so on. Even entire buildings have been erected by generous members of the Alumni or friends of that University. There is a reason for this. Why do these generous people do these things? I believe that it is in recognition, to a large degree, of the value of education. The greatest asset that a man or woman has is his or her education. It makes possible personal success in life. It forms a foundation for personal wealth, health and happiness. It is the basis of our civilization.

As the graduates of the Law Department of the George Washington University leave the precincts of this finely equipped building, may they remember their Alma Mater when days of prosperity come, as they surely will if they are true to its teachings. There will be arches, portals, buildings and other memorials awaiting their gratitude and generosity.

It was my pleasure to have been present at the meeting of the trustees when Admiral Stockton was tendered the Presidency of the University,



and I know now as I knew then that he accepted and assumed the grave responsibilities of the office without fear of the future and with a firm and determined purpose to accomplish the enormous task that lay before him. It was also my pleasure to stand by him with my associates of the board of trustees in this great work and I know how thoroughly he succeeded. When he retired it was with the full consciousness that he had done his duty and had succeeded far beyond even his own expectations.

All honor to President Stockton! May his memory ever be dear to the friends of the University and may this structure ever be used to promote the high principles and Christian virtues of the distinguished gentleman for whom it is named.

Now there remains a pleasant duty for me to perform. I speak with the authority of the Board of Trustees. They direct me on their behalf to dedicate, and I do now dedicate, this building to the uses and purposes of the Law School and to give it the name

#### STOCKTON HALL

by which it shall hereafter be designated. In order that the use of this building may be free from interruption, I place in your hands, Mr. President, the token of such possession, the key to the entrance thereof. This is peculiarly appropriate as you, Sir, are the honored "key man" of the University.

#### ADDRESS OF PRESIDENT WILLIAM MATHER LEWIS

Mr. Chairman, we accept from you the keys with deep appreciation of the responsibility and the opportunity suggested by these symbols. It is a responsibility and an opportunity connected not only with the name and the honor of a great university, but with the name and the service of one who served this institution, as he served his nation, with unfaltering courage and rare wisdom.

We dedicate this building to the memory of Charles Herbert Stockton, a graduate of the United States Military Academy and of the United States Naval Academy. He served as midshipman during the Civil War, sailed the seven seas, commanded battleships, was naval attache at the United States Embassy in London, became president of the Board of Inspection and Survey and of the Naval Examining and Retiring Boards, and finally was Admiral in command of a special service squadron sent to the maritime exposition in France. He then retired after forty-four years of active service distinguished by loyalty to the highest traditions of the Navy and by outstanding contributions in the field of international law.

Called to the presidency of George Washington University in 1910, he immediately applied his great organizing ability and sound business judgment to the serious problems of the University. For eight years he

guided the destiny of the institution and each year found it stronger in academic integrity and in financial soundness. During his administration the attendance at the University increased from 1378 to 2262.

Thousands of students to whose educational needs he ministered rise up to call him blessed.

"A good name is rather to be chosen than great riches." In naming the Law School building after Charles Herbert Stockton, George Washington University is making permanent in its life a great name and is also feeling the richness of his well rounded and abundant life.

To you, Dean Van Vleck, I present these keys with the confidence that you and your associates will live up to the ideals set for us by Admiral Stockton and will carry on as you have done in the development of a great institution for legal education.

#### ADDRESS OF DEAN WILLIAM CABELL VAN VLECK

Mr. President, honored guests, members of the Board of Trustees, members of the faculty, ladies and gentlemen, On behalf of the faculty and students of the Law School, I accept these keys and desire to express our thanks for the privilege which is ours in having as our academic home this splendid building which we already find so adequate for our needs. Many of us on the faculty had the privilege of serving under the leadership of Admiral Stockton during the years when he was president of the University. We are of one accord in our gratification that the Board of Trustees has chosen to name our new law building Stockton Hall. It shall be our constant endeavor to be true to the sterling principles of right conduct and to the high ideals of which Admiral Stockton's life was so truly an example.

Today is a red letter day in the history of this Law School. It marks the end of a period of transition, a period in which an important decision had to be made and was made, we believe, wisely and courageously, a period in which a crisis was met and safely passed.

Three years ago we were faced with three problems. First it was necessary to increase our admission requirements so that the school might not after 57 years of noteworthy service lag behind the best law schools of the country. Second we were training every year for admission to the bar a large group of self-supporting employed students, and in their interest and in the interest of the school as an institution it was necessary that important changes be made to enable them to combine in a more satisfactory manner their dual roles of wage-earners and law students. Third larger classes, a more complicated schedule of subjects, a larger resident faculty and a steadily growing library all combined to make necessary a permanent home, specially designed for the purposes of the school.

Three years ago these problems seemed acute and very doubtful of solution. Today we find ourselves with all of them well nigh solved.



The problem of entrance requirements we have met by adopting the rules of the American Bar Association and of the Association of American Law Schools that every regular student must, before registration, have completed two years of college work. In a school dependent upon tuition fees for its support located in a community where there were other institutions ready and anxious to admit students with much less preliminary education, to adopt such a course demanded courage. It is to the credit of this institution that president, trustees and faculty never hesitated in this crisis but with one accord voted for the higher standards. There was confidence that in the long run young men and women worthy of the high calling of the legal profession would see the desirability of such a course and prepare themselves and that an improved student body in time would result. This confidence has been justified. We cannot but feel that the victory for proper education preliminary to the study of law has been won as far as this school is concerned.

The second problem was that of the employed student. For its large group of self-supporting students attending its late afternoon classes, this school has no apologies to offer. Rather, is it proud that it has increased the capacity for service and enriched the lives of so many hundreds of young men and women poor in this world's goods but rich in ambition and natural gifts of mind and heart. In search of broader experience and better training, they come to the capital city from every part of the nation. Our University would be false to its trust if it failed to provide for them the adequate training they seek. There was no thought of attempting to avoid this responsibility. The problem was to continue this work and at the same time meet the constantly increasing standards of legal education. The solution of this problem attempted by this school was the curtailment of the amount of work such students might carry in any one year and an increase in the time required for the completion of the course from three to four years. This plan has been approved by the American Bar Association and the Association of American Law Schools and, we think, is proving a success. We believe that because of it we are today giving our part-time students a training which will enable them to meet properly the increasing demands of their chosen profession. The response of the student body to this change has been very encouraging. It is our belief that few if any students of the caliber we desire have deserted and sought an easier and shorter road to the bar.

The third problem, an adequate permanent home for the Law School has been solved and it is to celebrate its solution that we are meeting here today. Through the interest and good judgment of the president and members of the Board of Trustees of the University, we have Stockton Hall completed and already in use. We who have had a hand in the planning of the new building and have watched it grow story

by story into the present structure are now beginning to appreciate what it means to have our hopes realized so fully. With class room accommodations for nearly thirteen hundred students and space for the proper housing of an adequate law library, Stockton Hall is a home for the Law School which will be adequate for many years to come.

The solution in three short years in so satisfactory a manner of our three most pressing problems must give us great satisfaction. It must also bring home to us the greater responsibilities which are entailed. We have better tools to work with. We must see to it that the tools are put to none but the best uses.

We hear much today about the failure of our law in content and enforcement. These criticisms are not confined to our newspapers or to organizations of laymen, but are voiced most vigorously by our Bar Association. It is to the credit of our profession that we realize our own defects and that we are taking steps to put our house in order. The task of making our law adequate to the needs of our complex society will be a long and arduous one. Whether our law becomes an instrument of social betterment and remains so, changing to meet changing conditions in a society that changes with startling rapidity will depend on the kind of lawyers who sit upon the bench, who practice before the bar or who exercise the controlling influence in our legislative halls.

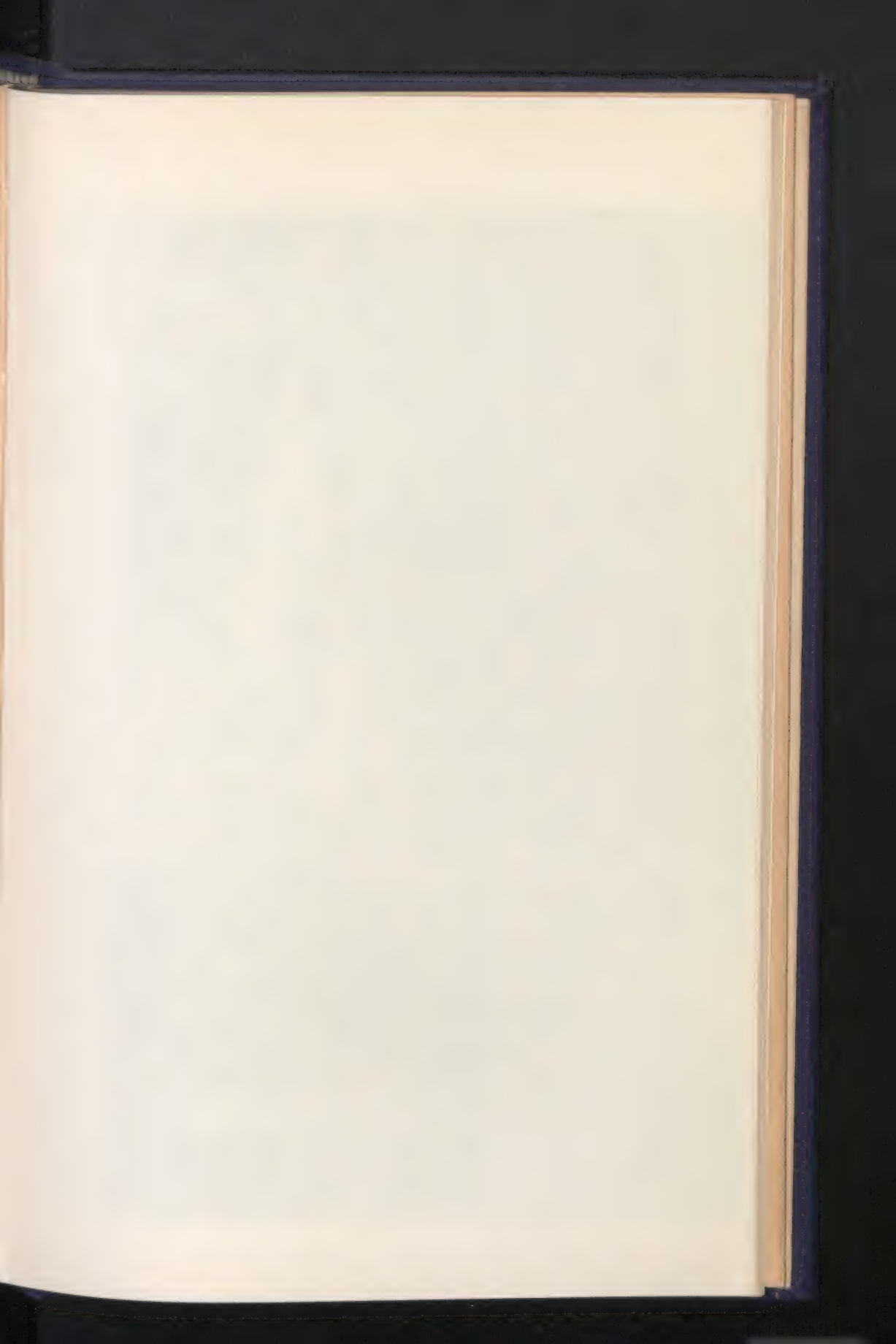
The groups of legal scholars who are trying to restate our law, our councils on legal education and our committees of bar associations, all of our present agencies for the improvement of the law will be of little avail if the supply of new lawyers is not fit for the difficult task that awaits them.

We of the Law School, both faculty and students, must remember that in our class rooms, moot courts and library, we are producing part of the bar of the future. First of all we must see to it that they come to us with adequate general education, and second, we must take pains that they secure a firm grasp of the rules and principles of our Anglo-American law. More than all, however, it must be our aim that these men and women whom we graduate into the bar have understanding of what the law is, how it has grown and how it ought to grow and in what respects it should be improved. That they know the rules will not suffice. That they take care of their clients' interests will not be enough. They must be brought to realize that they as lawyers are part of our law making and law enforcing machinery, public officers in a very real sense, and that it is to them that society has a right to look to make our law more adequate to society's needs.

(The University Glee Club rendered selections.)

THE PRESIDENT OF THE UNIVERSITY, DR. LEWIS: We are honored today in having as the one who will give the dedicatory address a man who is beloved in George Washington University Law School







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for two reasons: First, because of the fact that he is the outstanding leader in the teaching of law in this country; and, second, because of the fact that many of our professors in the Law School here have had the privilege of being taught by him. So it seems to us peculiarly fitting that this man should speak to us on this day of dedication. It is my great pleasure and privilege to introduce Dean Roscoe Pound, of the Harvard Law School. (Prolonged applause, the audience rising.)

#### DEDICATORY ADDRESS

BY ROSCOE POUND, Ph.D., LL.M., LL.D., D.C.L.

#### DEAN OF THE HARVARD LAW SCHOOL.

Mr. President, Mr. Dean, Ladies and Gentlemen: I suppose a professor, when he appears in public, is entitled, or perhaps I should say is expected, to appear in one of three roles: He may appear as a heretic; or he may appear as a pedant, or he may appear as an amiable moron. (Laughter.) He is very likely to be a heretic because years of thorough-going study of some particular subject are likely to make him a bit skeptical about the off-hand solutions of all problems, divine and human, which you can find every morning on your breakfast table, or every evening in the periodical on your library table, which therefore, for the time being, pass for incontestable truth. He is not unlikely to be a pedant, because those same years of careful study of some one subject have convinced him of the impossibility of critical understanding of what he is talking about, and the impossibility of adequately expressing what he is talking about without using a certain amount of the sort of language which Kipling has called "most filthily technical." (Laughter.) Moreover, if he is desirous of spending the major portion of his time in the pursuit of the subject of his studies, he is not unlikely to come to the conclusion that, instead of dodging heresy hunters, and endeavoring to explain difficult subjects in words of one syllable, the path of least resistance is that of the amiable moron. (Laughter.) I am going to venture this evening to combine those roles. In the role of the heretic, I am going to venture to suggest to you that even teachers of law, even law schools, may do something to make smooth the paths of justice in a time when we are all complaining of the multitude of rough spots that beset those paths. And I am going to venture further than the conservative program of Dean Van Vleck; I am going to suggest that it is the business of law schools not merely to train lawyers, not merely to train the men who, when, in some mysterious way, the law has come into being, will manage to administer it and to make it, after it has come into being, as effective an instrument of justice as possible; I am going to suggest to you the heretical proposition that it is the business of lawyers and the business of law schools, and preeminently the business of law teachers to do those things which will make it reasonable for

us to expect that our law-making will provide adequate materials for the administration of justice. So much for the heresy part of this appearance.

In the role of a pedant, I—prepared a manuscript! (Laughter.) But in the role of an amiable moron (Laughter), I am going to put it back in my pocket, after showing you that I have it here for printing! (Laughter.) I am going to ask a privilege frequently availed of in this city—leave to print! (Laughter and applause.) And in this role of an amiable moron, I am going to try to suggest to you, in an informal fashion, some of the reasons for the heretical attitude with which I began.

Legal education in the United States has gone through three stages. The first stage was one of a simple apprentice training. The lawyer learned the art of his craft as any craftsman learns his trade by watching his elders, and seeing how they did it. Kipling says that a sailor learns his profession by imitation. The boy imitates the man; the apprentice imitates the master. The would-be lawyer went into the office of a leader of the bar, and imitated himself into a lawyer! (Laughter.) Apprentice training represents the first stage in our legal education. And it is interesting to note that this training has persisted in many parts of the country until quite recently. Where the simple conditions for which apprentice training sufficed still obtain, that apprentice training persists down to the present. There are many jurisdictions in which a large part of those who come to the bar are still trained in that manner.

But a good while ago, another stage was entered upon. I suppose probably the event that might be taken to mark our entry upon this second stage was the appointment of Joseph Story as Dane Professor of Law. This second stage is marked by instruction in law schools; and that instruction in the second stage takes the form of lectures and of instruction from text books, which represented, in their origin, academic lectures. Now there had been lectures on the common law from the time of the appointment of Blackstone as Vinerian professor at Oxford. But Blackstone's lectures were in no sense meant as a professional training. They were lectures addressed to young gentlemen who were in training to become cultivated members of society. And Blackstone remarks in his introductory lecture that a gentleman can profitably know something about the law. (Laughter.) It would be good for the gentleman, and also good apparently for the law. (Laughter.) Blackstone's chair was imitated in more than one American institution. Wythe's lectures at William and Mary, James Wilson's lectures at the College of Philadelphia, and even Kent's lectures at Columbia, were of this type.

It is not until the appointment of Joseph Story that we get the idea of a law school as something more than a glorified law office, in which



the major activity of a practicing lawyer has become teaching rather than practicing. It is then that we get the idea of instruction by academic lectures, or rather by text-books developing out of those lectures, as distinguished from a rule of thumb apprenticeship. Then we get also the idea of a university teacher of law not as one lecturing to young gentlemen as a part of their general culture, but as one lecturing to men of serious purpose who expect to become members of the legal profession.

A third stage, I suppose, is marked by the epoch-making work of Langdell. He turned our professional education to the sources. He taught through a scientific study of the sources themselves, in order that the practitioner should acquire the enduring technique of the common law lawyer rather than a mass of precepts worked out by that technique by his instructor.

Now, if we look at these three stages in the development of American legal education a little more closely, we shall discover that they correspond to three stages in the development of our law; that these methods of instruction correspond to needs of the law at the time when they arose. Each of them was a good method in its day; and if none of them proved to be universal methods, good for every time and every place, it is simply because human wit, human wisdom has not yet been equal to a foretelling of all the exigencies of the development of civilized society and of devising any method of doing anything of which we may be sure that it will stand fast forever.

The administration of justice in colonial America was in the hands of executives and legislatures. It was not until the middle of the eighteenth century that we began to get courts manned by trained judges before which trained lawyers were practicing. Long after the Revolution, in many of our states, the judges of the highest courts were still laymen. It is interesting to remember that in the great State of New York, the highest court of review down to the Constitution of 1847 was the Senate; and that the decrees of Chancellor Kent and Chancellor Walworth might have been, and sometimes were, reversed by a majority made up of men unlearned in the law.

After the Revolution, with the economic and political and territorial expansion of the country following the Constitution and the setting up of a central national government, there was a speedy rise of judicial justice; a setting up of courts manned by trained lawyers went on steadily over the whole country. And so the need at that time was simply one for men who were competent to bring a case in court and to carry it through the courts.

Let us remember that when we received the common law of England, after the Revolution, it was largely in the form of common law procedure. Indeed, the bulk of the substantive common law at that time, except for the law of real property, was in the form of rules of pro-

cedure. What we needed, therefore, was simply men who knew the art of their craft, and the quickest, simplest, easiest way of teaching them this art was to put them to an apprenticeship under a practicing lawyer. But as time went on, these merely apprentice trained lawyers were no longer adequate to the demands of our law. With this economic, political, territorial expansion, with the successive settings up of new commonwealths in wave after wave of our westward progress, each of those commonwealths, with its own legal institutions, each of them with its own common law, each with its own legislature, it became necessary for us to train men adequate to the work of legislation, adequate to the work of shaping the legal materials handed down to us from seventeenth century England to be the common law of these new commonwealths. Apprentice training was no longer equal to the demands of the law. The university trained lawyer, trained under men like Joseph Story and his colleagues and their successors, responded to the need of that time. The lectures of these professors of law took form in text-books, and those text-books superseded the old apprentice training as the staple of American legal education.

This period, I suppose, this formative period of the law, this period in which we were filled with a creative legal energy, came to an end at the time of the Civil War; and it is significant that Langdell's work came within less than a decade after the close of that contest.

Conditions for a time were notably different in the period of stability and maturity which followed this creative era. We needed for a season systematising, harmonizing, organizing; and the energies of lawyers were devoted no longer to the great statutes of our legislative reform movement, no longer to giving new shape to the traditional materials for the needs of new commonwealths, but instead to putting system into each department of the legal materials which had sprung up in this era of growth, and to the endeavor to make of the whole mass of those materials a body of logically interdependent systematized legal precepts. Through the analytical method of Langdell, and the historical method of Ames, and their students, this new mode of study of the sources spread over the law schools of the country, until it has become the recognized American method of law teaching. Not, indeed, that the methods of the other stages have not persisted in this locality or that, with a persistence in some degree of the conditions that gave rise to them; but since 1870, more and more, the method of the third stage has gained the day.

Today, I venture to suggest to you, we are on the eve of a new development in legal education, responding to a new stage in the development of our law. My suggestion to you is that, since the last census has demonstrated a shifting from the rural pioneer agricultural society of the last century to a predominantly urban industrial society, we must expect changes in the law demanded by that change in the



social background to which the law must be applied; and we must expect legal education once more to respond to that change, and to give us—in my capacity of an amiable moron, I am going to make a prophesy—to give us a new method, namely, the method of research.

Now, the Law School of George Washington University has played indeed an honorable, a distinguished, part in the second and third stages of our legal education; and I venture to hope that today, as it stands thoroughly equipped to do the work of the third stage, it will not find its equipment entirely obsolete because a fourth stage is called for; but rather will build upon that third stage and go forward with the work of research which is going to be demanded by the circumstances of tomorrow.

In the past, we have relied upon two agencies for the development or making of law: legislation and judicial decision; and we have had a wonderful faith in the power of these two agencies to operate, without our having done much of anything to assure that we had any reason to expect them to operate well. How do we prepare for legislation? Why, every trade and business in this country is organized with its own trade or professional association, and has a committee on legislation, and that committee on legislation goes before the law-making body with its measures, all carefully prepared, and it hangs to that body assiduously until, after one or two sessions, its mature product stands upon the statute books. Let us remember, when we cry out against the huge volume of legislation and the bloated statute book, that every one of us, through some organization or other that has a legislative committee, is daily bringing pressure upon lawmakers to add to the dropsy of the statute book. (Laughter.) This goes back a long way in our legal history. After the Revolution, when trained lawyers were few, when even our courts did not have a majority of trained judges upon the bench, it was necessary, in the simple conditions of the society of a hundred years ago, to rely very largely upon lay common sense.

And then, of course, there is that cult of incompetency, which has always been an unhappy by-product of democracy that leads us to a confident assumption that our own good sense will tell us how to deal with some of the most difficult, some of the most intricate problems of the adjustment of human relations. And the lawyer is not without blame in this connection, because our classical political theory—and I am afraid there is not a lawyer here present who has not thundered forth that theory from the Fourth of July platform at some time in his career—our classical political theory assumes that law is nothing but the putting into chapter and verse of the popular will for the time being.

Now, what is the conclusion? Why, it can only be that the words "be it enacted" justify everything that follows. Our whole theory of law, as well our analytical theory that law is the command of the state as our political theory of sovereignty in the popular will—all these

things bear legitimate fruit in the statute book at every session of our law-making bodies.

But what is the lawyer's theory in the meantime? On the one hand, you will see him announcing this classical political theory, but when he comes to think juristically, his theory is that law can not be made; it can only be found. He expects legal precepts to develop themselves through some inherent power of evolution, through the power of the idea of right or of the idea of freedom unfolding themselves in human experience. Well, they have unfolded themselves marvelously; and yet I think it has largely been because great lawyers bestirred themselves in this process of unfolding. But the lawyer's feeling is that it is dangerous to do anything. I will advert to this again in another connection, but his natural feeling is that these things must be left to do themselves. Seeing the ill effects of the expression of lay common sense in legislation, he sometimes forgets the possibilities of intelligent direction through other law-making agencies.

It is worth while for us who are members of the legal profession to make a little confession in this connection; and strictly in the role of an amiable moron I am going to attempt some such confession. Let us say, frankly, those of us who are members of the bar, that as we look back over legal history, we must credit ourselves with a succession of great mistakes with reference to every important improvement in the administration of justice in Anglo-American legal history. Now that is a strong statement. Let me give you some examples. I suppose there is no institution which has been so extolled by the common-law lawyer as the jury. Well, let us go back to the time when the jury was invented. In one of the well-known books of our law, "The Mirror of Justices," there is a catalog of 148 abuses in the administration of justice in thirteenth century England. The popular discontent with the administration of justice is nothing new. And in that list of 148 abuses not the least important item is trial by jury. The author bewails the decadence of manhood in good old England, where, instead of the Englishman defending the justice and right of his case by fighting it out in a ring with his adversary before the justices, he is required to submit it for the decision of a jury. The Englishmen were so degenerate that they were driven to try cases by jury instead of the good old trial by battle of their fathers. (Laughter.)

Well, another item in our legal history that we look back upon with pride is equity—the liberalization of the law through the court of chancery. And yet, when equity was formative, the common-law lawyer fought the rise of the Court of Chancery inch by inch. The last chapter in that long struggle was in one of our great American commonwealths. In the last quarter of the nineteenth century, a good old conservative commonwealth was not willing to give equity powers to their full extent to its courts until 1877; and when the legislature finally



did concede the last ounce of equity jurisdiction to its courts, the most learned lawyer and eminent judge in the commonwealth, since famous as one of the judges of the Supreme Court of the United States, wrote a letter of vehement protest to the legislature, pointing out the dangers involved in the setting up of that jurisdiction. I need not tell you all of that prophesy was belied by the event.

I might go on and remind you how the legislative reform movement in England, which we think of now as a landmark in our legal history, was fought inch by inch and foot by foot by lawyers whose names the profession still reveres; how the leaders in that legislative reform movement were looked upon with abhorrence by the great lawyers of the time. But let me remind you of an interesting bit of our own legal history that we sometimes overlook. There is no great document of Anglo-American legal history that lawyers revere, and revere so justly, as the Constitution of the United States. But what did the leaders of the legal profession think of that instrument when it was first drafted and submitted to the people for ratification? A few young lawyers, newly called to the bar, bestirred themselves on its behalf; but the leaders of the profession, substantially without exception, were vigorously opposed to it. The Chief Justice and the Chancellor of New York, Luther Martin, whose fame still lives in this part of the world, Rawlins Lowndes, of South Carolina—I could call the roll of the eminent members of the profession at that time, every one of them opposed to it, and all of them prophesying danger to liberty if it were adopted. And yet experience has brought lawyers to think that it is the chiefest safeguard of liberty.

See what lawyers had to say when married women's acts were first proposed. (Laughter.) See what lawyers had to say when the statute first gave the mother some rights with respect to the custody of her children. See what they had to say when homestead legislation was first enacted. I suppose there is no lesson of legal history, no warning of legal history, to which we can point with such confidence as this—the futility of dogmatic prophecies of danger when legal precepts are changed. Why, the very spirit of the profession that gives rise to these prophecies is our guarantee that they will not be fulfilled! (Laughter.)

Well, so much for our one agency—legislation. Now when we turn to our other agency—judicial decision—we encounter, of course, the difficulty that courts are compelled to administer justice by the use of a known body of legal materials, developed by a known technique. There are undoubtedly possibilities of manufacture there; but the danger to the general security, unless that process of manufacture is used, in Mr. Dooley's words, "with gentlemanly restraint," are so obvious that the growth is necessarily slow, almost imperceptible.

What, then, can the science of law do for us? I suspect it can do a very great deal for us in simply this matter of the conflict between the

lawyers' juristic theory that law can not be made, that it can only be found, and the laymen's political theory that law can be made, and that his association can employ a lawyer to draft it so that it will be made to suit him. (Laughter.) I say we can do a great deal with reference simply to that conflict of theory, because these theories involve different ideas as to what law is and what law comprises. What had seemed to be a mere bit of pedantry on the part of the teacher of jurisprudence, who wasted pages and hours in discussing the nature of law, proves after all to have an immediate and important practical value.

I undertake to say to you—and here I shall assume the role of the pedant—I undertake to say to you that the difficulty arises out of the fact that when we talk about law we do not mean one simple thing, but we mean a very complex phenomenon; we mean a body made up of more than one element. First, of course, in the law are legal precepts, rules of law, that which we refer to when we say that law is a body of laws; that which the analytical jurist refers to when he says that the law is the command of the sovereign, and that which the legislator has in mind. And if that were all that there is of the law, his problem would be as simple as he thinks it is, and perhaps his achievements would be as efficacious as he hopes them to be, and as they seldom are.

But there is another element quite left out of account by a theory of that sort, and yet just as important, perhaps more important, if we mean by law the materials by which tribunals actually administer justice. That element is the traditional art of the lawyer's craft, the traditional art of finding the ground of decision of particular cases in legal precepts, the traditional art of developing and applying these precepts, and ekeing them out, and extending them, and restricting them, and using them to find new ones, when new cases arise that are not covered by any existing precept. Now that, I undertake to say, is the enduring and the characteristic element of any legal system. It is that element that gives continuity to our law from the age of Lord Coke to the present, perhaps from the middle ages to the present. I suppose the student of today does not read Coke on Littleton; but it might be worth his while to look at Coke on Littleton and see how little of it he can understand today (Laughter)—how little of it is applicable today, how little of it has anything to do with what courts of justice are concerned with today, how much of it has to do with a body of legal precepts that are as dead as the dodo. Yet we have got a living technique that makes us conscious that we live under the same law that Coke administered as Chief Justice to James I.

Why, in England, by statute, the real property of a deceased passes to his executor, and in Oklahoma, by statute, the personalty of a deceased goes to his heir. And yet England and Oklahoma both justly claim to live under the common law; not because they have the same legal precepts—they haven't. It is not because they have got the same social or



economic conditions—they haven't. It is because the lawyer at Westminster and the lawyer of Oklahoma City are the common heirs to a technique which is the exclusive possession of the common-law lawyer.

Now, it is because the lawyer possesses that technique that he can do something effectively with the bewildering mass of precepts that confront him; and it is because the legislator, as a rule, does not have that technique that his attempts at law reform are so apt to be futile.

But there is another element quite as important, and that is, a body of received—you might say a body of traditional—ideals as to what this is all about; as to what the social and legal order should be, as to the end and purpose of law, and what legal precepts and their applications should be in the light thereof. If anyone doubts that here is a real and living element in the law, I invite him to see the controlling part that such ideals play whenever the courts are called upon to apply to social legislation the constitutional guaranty of due process of law.

We have seen that the precept element changes, and that the element of the technique of the lawyer's craft is enduring. This element of received ideals changes slowly, and yet it does change. Take the writings of Lord Coke, the oracle of our law. We see in his writings still the mediaeval ideal of a relationally organized society. Our ideals today, influenced by the classical economics and the political ideals of the French Revolution, and the economic and social conditions of a pioneer country, are utterly different. But these ideals change slowly.

Now, what can the science of law do for these two elements? Here we have a problem confronting us immediately with respect to the second element. The adaptation of the traditional common-law technique to the administrative tribunals which the necessities of our urban industrial civilization are setting up on every hand is not the least of the problems of the day. What can it do for the third element? Well, in every period of growth, when reliance is chiefly upon this body of received ideals, we have always turned to philosophy of law to give clearness of outline to the received ideals, to subject them to critical scrutiny, to make us conscious of what it is that we are doing when we turn to them, and to teach us when we may properly turn to them, and when not.

Now, from those general suggestions, let me turn rapidly to a few of the immediate practical problems that confront the American lawyer, and suggest to you, if I may, what we may expect law schools to do for them. I suppose everyone would put in the forefront of the problems that confront the thinking American lawyer today the administration of criminal justice. It is a huge task that we have before us, to make the substantive criminal law, the criminal procedure, the judicial and administrative machinery, the prosecuting machinery, and the penal methods that were devised for the pioneer rural agricultural society of a hundred years ago, function adequately in the overgrown city of



today. Just now everybody knows exactly how this is to be done, and he is going to be before the next legislature with a legislative program that will cure the whole thing—everyone but the lawyer. And yet I venture to suggest that the permanent relief, when it comes, will have at least to be given shape by the lawyer; and its efficacy will depend upon the ability of the lawyer, with his technique, to give it effect. And so until there has been the preliminary research, until the foundations have been laid broad and deep by study on the part of those who are competent to study such things, I venture to think that lay common sense will somehow fall short of the results which it expects to achieve. It will fall short, because it will lose sight of two elements of the law; and if these do not enter into the account of those who try to make the law, they will not enter into the results. It's very easy to say that the courts and judicial officers are inefficient; or, as we sometimes hear it hinted, corrupt; or that the morale of the people is decadent; or that the lawyers are a pestiferous and tricky lot, full of quirks and quibbles; or perhaps all of these things. But the fact remains that the disturbing element more likely than not is simply the law itself, which has not been taken into account in the framing of legislation, because of a lack of thoroughgoing understanding of the nature of law.

A second problem that stands out before us conspicuously is legislation. It is all very well for us to decry legislation itself. It is all very well for us to cry out against the reign of law, and spell it "r-a-i-n;" and yet we must remember that legislative law-making is the type of law-making that belongs to the maturity of law. We can't wait for the slow working out of a conception by a process of judicial exclusion and inclusion with reference to processes and methods of manufacture and marketing, which have become thoroughly established in modern business. So our job is not to wring our hands about the ineffectiveness of legislation, but to find out how to make it effective. And I undertake to say that scientific study on the part of those who are trained in jurisprudence is as certain to do things for legislation as scientific study in laboratories in pure subjects of biology has borne fruit in the prevention of disease.

Again, take the subject of enforcement; we are troubled very acutely about that recently in this country. Without reference to recent legislation that is making enforcement in the United States a bit difficult, in every part of the world where a complex social order is struggling to maintain law with the machinery devised to keep order in a simpler one, this same problem of enforcement is acute. Now, largely, there again the trouble is in our legal science. The analytical jurist says that the lawyer has nothing to do with enforcement. If law is not enforced, it is because of the inefficiency of the executive. The legislature makes the law. Its duty is over. Now let the executive enforce it. The historical jurist says: "No, that isn't the trouble. The trouble is



that so many of these rules do not confine themselves to the formulation of experience. If we confine our law-making to a mere formulation of what is developed in experience, it will be repeated in the habits of the life of mankind, and will enforce itself." "No," the philosophical jurist says. "No, that isn't the point. The rule must be inherently just. It must appeal to the individual conscience. And when you have simple rules that appeal to the individual conscience of the citizen, why, then, except for that almost negligible minority that persist in living contrary to their conscience, we shall have a regime of law and order."

All such simple theories fail utterly in the society of the present. Experience shows us that there are obstacles in the way of executive or administrative enforcement of legal precepts which go beyond the reach of executive efficiency. We have learned, for instance, in such things as the problem of traffic regulation, that we can't wait for habits of correct driving to develop at the expense of life and limb. And while in the simple society of a hundred years ago, the few rules for human conduct that were needed did appeal to the reason and conscience of every citizen, today the general security requires many precepts, just enough to the expert who understands the reasons for them, the reasons whereof are beyond the offhand understanding of the average conscientious citizen. Thus there is a great unexplored field, the limits of effective law-making, the limits within which we may expect to do things by the law, awaiting cultivation by the legal experts, whose offices will be in this building we dedicate today.

Another subject I might mention simply in passing is judicial organization and administration; another is preventive justice. Let us consider that, as things are now, if a business man wants to know the meaning of a contract into which he has entered, the only way he can find it out is by breaking it at the peril of damages if he guesses wrong. Let us remember that if one neighbor asserts a right of way over his neighbor's farm, the only way to find out whether it exists is to assault him if he tries to exercise it. I might go on indefinitely. There is a great field of preventive justice awaiting investigation at the hands of trained lawyers.

Then again, there is the problem of individualization, of how to individualize application of legal precepts so as to make them do justice in concrete cases. Now, of course, it would be absurd to individualize the rules as to promissory notes, for promissory notes can be printed in blank, and all you have to do is to fill in the names and the dates and the amounts. But you can not have automobile accidents in blank, or railway accidents in blank; you can have conveyances in blank, but not blank outlines of the reasonable conduct of a public utility. And, instead of, as in the past, trying to deal with every case as though it involved a promissory note, and then in disgust going to the other ex-



treme, as we have been doing by our boards and commissions, and treating every case as though it were a case of negligence, let us say we have the unexplored field of a proper partition of the domain of justice between rule and standard, between logic and discretion, between judicial justice according to law, and an administrative justice that looks upon each case as unique.

Now if all this work had to be done by judges with the crowded dockets of today, with the limitations of printed records and pleadings and local jurisdictions, and specialized courts, I should have a good deal of fear that little would come about; and if it had to be done simply by the practicing lawyer, whose main energies must be given today to the conduct of enterprises, and to steering the craft of our great enterprises from the bars and reefs and currents that threaten them with danger, I should have some fear that we shouldn't get much beyond an occasional ingenious suggestion for the solution of some item of these difficult problems. But we have in the teacher of law in our national law schools men who work in the conditions of permanence of tenure, continuity of work, power to take a view of the whole subject, freedom from political pressure, and exemption from the suspicion of representing any interest, which ought to and will command the confidence of the legislatures and of the public, and will insure the scientific conditions under which alone research can take place.

And so I look confidently forward to research carried on in Stockton Hall, which will do great things to make smooth the path of justice in the highest sense; no less things than have been done under the auspices of this institution in the past, for the training of American lawyers. (Prolonged applause.)

THE PRESIDENT OF THE UNIVERSITY, DR. LEWIS: With this excellent, most thoughtful, and most thought-provoking address, our dedicatory exercises come to their close. We would welcome all who are here this afternoon to the reception in Stockton Hall this evening, at which time we can see the fine equipment, the beautiful building which our Law School will now enjoy.

We will stand for the National Anthem. The benediction will be pronounced by Dr. Wallace Radcliffe, and the academic procession will pass out, as the audience waits.

#### BENEDICTION

PRONOUNCED BY THE REVEREND WALLACE RADCLIFFE, D.D.

Pastor Emeritus of the New York Avenue Presbyterian Church,  
Washington, D. C.

May grace, mercy and peace from God, the Father, Son, and Holy Ghost, be with you all. Amen.

(The exercises were concluded at seven o'clock p. m.)



